

<400> 8363

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ccagcccgc gctgacggcg gcgtcgacac gtacgggtac tctaccgaga cggcgggtgac 180  
cgccaccgac aacgactgac atgacgagcg gacaccaag gaggagaagc accacaagca 240  
caaggagcac 250

<210> 8364

<211> 199

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038h01b1

<400> 8364

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gtgccaaggt gcggcgccgc gcggccgtct accgcgactg catgggagac tacatcggcg 180  
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<210> 8365

<211> 310

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038h03b1

<400> 8365

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agggtgtcac tcaaatgatc aacaaacatg ggctgaaaaa ctggcaaacg gtcgcacatg 180  
ctatacctgg ccgaagtga cgcgaatgcc gacaaaagtg gagatacaaa atagactctg 240  
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tctatggaac 310

<210> 8366

<211> 116  
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 <223> Clone ID: uC-tsrow189038h04b1  
  
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 <211> 365  
 <212> DNA  
 <213> Triticum aestivum  
  
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 <400> 8367  
  
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 tgtggagcct ctttttcccg cgatctggtc ctccccattc atggccattg gcaggagggt 180  
 cccctcggat ttattccatc ctcgaggtg gcaaccgccc taggaggggc ggtgcacggg 240  
 cacggctatc ttggtggtcg tgatgttgtt ccgcaactgg ttgccttcg ggtcggcgcc 300  
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 <223> Clone ID: uC-tsrow189038h06b1  
  
 <400> 8368  
  
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 gagaaagaaa gtaggcggag gatgggatcc cacgtataca aagagaagct ttttcccata 180  
 ttggagatca gtgttacaag ctgggggtcc tttgaaggtg tatccagccc atgcaagctc 240

agatcctagg tctcgtgtta accatggaca actccatgtc tctctgagta actcaatagc 300  
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 taat 364

<210> 8369  
 <211> 248  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189038h07b1

<400> 8369

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 tgctcctgct tgacgtcacg ccgctctcgc agggcctgga gacggccgga ggcgtcatga 180  
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 actctgac 248

<210> 8370  
 <211> 297  
 <212> DNA  
 <213> Triticum aestivum

<223> unsure at all n locations  
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<400> 8370

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 ttcgtccagc cgagaagaag aagagctgca gaagatgagc aagctctgga ccatnctcac 180  
 ccacctccac accctcgagc ggctggcgt gatgctcctg taccgctgt acgcgtcggc 240  
 gcaggcgatg gagagcccgt cgaagctgga cgacgagcag tggctggcct actggat 297

<210> 8371  
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 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189038h09b1

<400> 8371

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ccgagcacga tgcgccattg gacgcgctga tcaacaacgc catggtctcg gacagccgct 120  
tcatcatgga catcgccgtc agggagagcg ggcacgtttt ccgggtgata agctccctgg 180  
tcgacgtcgg cgggtggcctc ggcgcggcgg cccagggtcat ctcggaggcg ttcccgacaca 240  
tggagtgcag cgtgttggag ctcgagcacg tcgtcagcaa ggcgcccgcc ggcaccagcg 300

<210> 8372

<211> 390

<212> DNA

<213> Triticum aestivum

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<400> 8372

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gcaaattggt ctgaatggga gcaaattcaa atgccttcaa gtgtagatc actagtggtc 120  
ttaaactctgt acaactacgg cagtggaagg catccatggg gtgatcttaa accagattat 180  
cttgaaaaga aaggttttgt tgaagctcat tcagatgacg gtttgattga aatatttggg 240  
ctgaaagaag gttggcatgc ttcattcggt atggctgagc ttatcaaagc aaagcacatt 300  
gctcaggctg cagctatcaa gtttgaaatg aggggaggcg agtgggatcg agcatatggt 360  
caaatggatg gcgagccatg gaaacaacca 390

<210> 8373

<211> 429

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038h12b1

<400> 8373

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ccgaagcccg tgagaacagc gaagcgcgac aggaaggca ctgaactagt ttgcaacaaa 120  
gaagagagaa aatgtctacc gctgaggcaa cccgtgagga gaatgtgtac atggccaagc 180  
tcgccgagca ggctgagcgt tatgaggaaa tggtcgaatt catggagaag gtggccaaga 240



ccgctgatgt aggtgagctc actgttgagg agcgcaacct gctctctgtg gcttacaaga 300  
 atgtgattgg tgccccgagg gcttcctgga ggatcatctc ctccattgag cagaaggagg 360  
 agagccgtgg gaacgaggcc tatgtcgcat caatcaagga gtaccgtacc aggattgaaa 420  
 ccgagctca 429

<210> 8374  
 <211> 161  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189040a04b1  
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 ggagtagctt tcttgggttt gtacctgatg cagtttacca tgaacatgat gggactcta 120  
 ttgtcatgag ttgcccagag ttgtatgtta gtttctactc a 161

<210> 8375  
 <211> 376  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189040a05b1  
 <400> 8375

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 gaccactgaa tctatgatga cctgatcaga gcaggtagg aggggaaaga taaaattata 180  
 ggggcctctc gatactcctg cctgcaagta ggtgctcagc cttgatggcg atgcccggat 240  
 cctgcccgtc aacaacggcg gctccatctg ccggccaccc tcccatctgc cttgccgacg 300  
 cttcagctgg gggagctgga tcccagaca tgctacgacc acgcctggtg ctcttcggcg 360  
 actccatcac tgagca 376

<210> 8376  
 <211> 240  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189040a10b1

<400> 8376

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gcagcccagt cccagatccg aatcccgaga cgcgtctagc cattgccgcc gtccccgacc 120  
ttctccccgg cagggaatgg tgcactgcgg gcggcggttag gcagacacga gcagagaccg 180  
tgtggcaaga agcggcggct gcgagatggc cggcgcgagg agggagagga gaaagatgcc 240

<210> 8377

<211> 459

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040a11b1

<400> 8377

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gtggccaggg ttgcgtcca gagccccgat gtcgagctcg tcgccgttaa cgacccttc 180  
atcaccaccg actacatgac ctacatgttc aagtatgaca ctgtccacgg acagtggaag 240  
caccatgaag ttaaggtgaa ggactccaag acccttctct tcggtgagaa ggaggttgcg 300  
gtgtttggct gcaggaaccc agaggagatc ccatgggctg ctgctgggtc tgagtacgtt 360  
gttgagtcca ccggtgtttt cactgacaag gacaaggctg cagctcacat taagggtggt 420  
gccaagaagg tcatcatttt tgctcccagc aaggatgct 459

<210> 8378

<211> 377

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040a12b1

<400> 8378

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gccgttcgag gacgtgcatg gcgcgcccat cttcgaggag agcatgacgc tcctggaccc 120  
ggagatggat cagctgatcc acgacgccgt cgctgctcac gaccacatgg ggatcggccc 180

cgtgctccgg cagtgccgtg agctcttcga ggggcttgag tctctcactg actgcggcgg 240  
 cggatgatggg acgacggcca ggtccatcgt cgaggcctac ccgcacatca agtgcaactgt 300  
 gctggacctt ccaaagggtca tggacaaagt tcttcttccc gctgaagaag gagcgggttaa 360  
 gtatgtttct ggtgacc 377

<210> 8379  
 <211> 413  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189040b04b1  
 <400> 8379

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 ttctcgatct agctagagcc atggcgccga ccaagggcga ggggcccggc atcggcatcg 120  
 acctcggcac cacctactcg tgcgtcggcg tgtggcagca cgaccgcgtc gagatcatcg 180  
 ccaacgacca gtgcaaccgc accacgccct cgtacgtcgc cttcaccgac tcggagcgtc 240  
 tcatcggcga tgccgccaag aaccaggctg ccatgaacct catcaacacc gtcttcgatg 300  
 cgaagcgtct tatcggcaga aggtttgctg atgccctgt ccagagtgc attaatgatg 360  
 ggccgtacaa ggttattcct ggccctgcag acaagcctat gattgtagtg cag 413

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 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189040b05b1  
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 atgtcgcagt tcgacaccgt cagcaaccgc ctccgcacgc aggccggcag cacctcccc 180  
 gccagtacc cgctcaacgt caccgccgag ggccagcagg tcaacatcac caccggcgtc 240  
 gtcaacgcca ccgtcgaaa cacgtctac accggcgacc agctcgtcgt ctaccaggctc 300  
 aacaag 306

<210> 8381  
 <211> 392  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189040b06b1  
  
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 ctctgggtgg tccggccggg ccttgtagcc tcggacgggc tgacgcggct gccggacggg 180  
 ttcgaggcgg cgacgagcgg gcgcgggatg gtggtggagt gggcgccgca tgaggaggtg 240  
 ctccggcacg cggccgtggc cgggttcttg acgcacggcg ggtggaactc gacgacggag 300  
 agcgtgtgcg agggggtgcc gatgctgtgt cggcgacact tcggcgacca gatggggaac 360  
 gccaggtacg tcgagcacgt gtggaggggtg gg 392

<210> 8382  
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 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189040b10b1  
  
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 ccgttcagtc tcgcatgagg gctgc 85

<210> 8383  
 <211> 320  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189040b12b1  
  
 <400> 8383  
  
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 ccctggcccg ctccaggact tttgtgtcgc cgacatgcat tcaccagtgc gtgtcaatgg 180

atttgattgc aagaacccga tggaggtcaa tgctgatgac ttcttcaagg cagccgcct 240  
cgacaagcct aggggtgacca acaaggttgg ctccaacgtc accttgatca atgtcatgca 300  
gattgccgga ctcaacaccc 320

<210> 8384  
<211> 391  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189040c04b1  
<400> 8384

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atcgacctcc tgaacccgcc ggccggagctc gagaagctca agcacaagaa gaagcgcctc 180  
gtccagtcct ccaactcctt ctcatggac gttaagtgcc agggctgctt caacatcact 240  
actgtgttca gccactccca gactgtcttg gtgtgcccag gctgccaac agtgctctgc 300  
cagccaacgg gtggcaaggc caggctaacc gaggggttgc cttccgccg caagggcgac 360  
taaactccg aagtctatct gaaaaagcaa g 391

<210> 8385  
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<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189040c05b1  
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tatatgcctc gctagcacac aagaacagtc aggaccatgt acgaatcgga cgaacagttg 180  
gggctatgtc acaccaccaa tcgaacagtt ccgcgcggg acctgtgtct cgctcgagc 240  
cgcgccggca cccgtggatc gctggaagcc tcgcgggcac ccgtgtctca ctggcagccg 300  
cgccggcacc gggggcaaag tttgaagaaa caggcctcac acacctgatc c 351

<210> 8386  
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 <212> DNA  
 <213> Triticum aestivum  
  
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 cgaggtggcg cggaacgggtg ttgagctcgc gccttcgggg acgctgtccg tcgtggggcg 240  
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<210> 8387  
 <211> 396  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189040c10b1  
  
 <400> 8387

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 gttgtgtgcc cagctgaggc acctacccc ggttcttggg gaagccaagg aactgtgtga 180  
 ctgctctaca gcttgtcatg aagaagtcaa gcgctcatga tggccttgtg aaggggctcc 240  
 gtgaggctgc caagtccatt gagaagcatg ctgctcagct ttgtgtgctg gctgaggatt 300  
 gcgaccagcc tgattacgtg aagctcgta aggcactatg cgctgagcac aatgttcacc 360  
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<210> 8388  
 <211> 166  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189040c11b1

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 aaactattta ttctgggcca atgtgtagga tgctttagg cgatgtctat gcagaatatt 120  
 accgattggg catgccacca agcaccggtg ctccatgagc aaaagc 166

<210> 8389  
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 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189040d04b1

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 atacttcagg ctcacgtcca agcagacgga cgcctgctcc aatgacaagt tcgccgacct 180  
 gtacaccgtg cgggtgggtgc cgctgctgct cccgaccatc gtggtgctcg tcgtgaacgt 240  
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 <212> DNA  
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<223> Clone ID: uC-tsrow189040d05b1

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 gcccaac 187

<210> 8391  
 <211> 353  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189040d06b1

<400> 8391

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cttcctctgc aactacggct acggcgcgtc ccagatcaag ctcatcacct cccctccggc 120

cgccttcagc tgcgccggca acgcgagcaa ggatctcatc tccgacctca actaccgctc 180

gatcgccgctc acgggggctcg gcgccggcgc cagcaggaca gtgacctgtg aggtcaccaa 240

cgtcggagcg caggaagacg ccacctatac cgtcgccgctc agcgcgccgg ccggtctgga 300

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<210> 8392

<211> 325

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040d11b1

<400> 8392

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agcgagcttc tggccgctcc ccaccgctg tggctctccg gcgccggctg gatctgagga 180

gctgcggtgt ttgcttgctt cttccttcaa ggtttcttgc aaatttgggt gaccttgaaa 240

gcttggtgaag aagggggtgt tggccaagta aaagatcctg gagctggctt agagtgttgt 300

ccataaaaaa aaatcatggg tgctc 325

<210> 8393

<211> 322

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040e04b1

<400> 8393

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caactatggt aagacattca agaaaccaag gcgtccttat gagaaggagc gtcttgatgc 120

agaactaaag ctggctcgggtg aatatggact gaggtgcaag cgtgagctct ggaggggttca 180

gtagtcactg agcaggattc gtaatgctgc aagacacttg ctcacactgg atgagaaaaa 240



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<210> 8394  
 <211> 380  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189040e06b1

<400> 8394

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 ttttaatttt tagtagacat gcctttgata agatgcattg ttcagttcta attaagtaat 180  
 tatggacctt ttgaattacg ggccaagccc cgtgggtgtgc taaatgttgt tatctaccta 240  
 agcacctgga cttttgtatg cagaggggta tcagctatta aacagcatat gacaatcctg 300  
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<210> 8395  
 <211> 51  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189040e08b1

<400> 8395

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<210> 8396  
 <211> 244  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189040e10b1

<400> 8396

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tactttgaag atttgggata cgagtgtga tttgtctgag ccaacaactg gagaagggtca 180  
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<223> Clone ID: uC-tsrow189040f04b1

<400> 8397

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 tagcagcaag aacaacatgt ttattttgta tacgacacaa taaatagaag gaaataaaat 180  
 atattgttca cattgatatg taacactaac ttacacctg aacgccttcg ttccgacttt 240  
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<223> Clone ID: uC-tsrow189040f05b1

<400> 8398

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 tgagatcggt agtggatttg caggactga cctaactgga agtgagcata acgatgagtt 180  
 ctatatggat gaggctggaa atgtgagaac acgaaccaat cgctcggcgg tgtacagga 240  
 gggatatcaa atggtgaaac tatatacttc aaagtagctt tcaagccaac agcaactatt 300  
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<223> Clone ID: uC-tsrow189040f06b1

<400> 8399

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gcattccggtt ggaggattgg ttgcaagata tgccatcgga agactttata gacctcctgg 180  
acaatcactt gaaaattctc ctcaaagttt gagagacagc aacagaggca atatacatgg 240  
gcttgatgca gtcaacttca taactgttgc atcaccacat cttgggttcta gaggaacaa 300  
gcaggttcct ttcctttttg gagttact 328

<210> 8400

<211> 99

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040f10b1

<400> 8400

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acctgattcg gccctgaacc tttttggatg tgtaatact 99

<210> 8401

<211> 218

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040g05b1

<400> 8401

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ggagaggggtg gaggagcggg gaacggcggc ggcggaggaa gtgggaatgg ccagggcact 180  
gctcatagtg gaggtggagg aacctatgca agtgctgg 218

<210> 8402

<211> 363

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040g06b1

<400> 8402

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ctgttgcccc tgtttgatcc cccaaggcat gacagtgtg atgaccatcc gcaaggcact 180  
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tggtaggagg cttgggatgg gcacaaacat gtatccttct tctgcattgc ttggccaaag 300  
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<210> 8403

<211> 205

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040h06b1

<400> 8403

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ggtaacacca tttcttacia acgccataga agcttctata gtgacataaa ttttacagac 120  
gcctaagaca cattcacgtg ctggttagttc tgagttggtc atttggaaga tatctcgatt 180  
ctggacttgg cctaccttgt ttttt 205

<210> 8404

<211> 322

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045a01b1

<400> 8404

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acaggacctg agcagtgtcc acctgaaggg aagcttcctg atgctggccc gagtgtcctc 180  
gctgaccact tgaggctggt attctacaga atgggccttg atgacaagga aatcgttgct 240

ttgtctgggg cacatacact tggaaggtct aggcctgaac ggagtggctg ggggaaacct 300  
gaaacaaaat atactaaaaa tg 322

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<212> DNA  
<213> Triticum aestivum  
  
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tcggattaag gaagatccag ccttgaagcc aattcttgat gagttagaga atgggtggtcc 180  
tgctgcaatg ataaagtact ggaatgaccc tgaaactctt caaaagattg gccaggcaat 240  
gggaactacc atgccgttta gcactgtctc tactgctgaa ctttctggta ctgaagaaac 300  
tgaagaagaa ggtgaagatg aagacgaatc cattgtccac cacactgcca gtgttggtga 360  
cggtgaggggt 370

<210> 8406  
<211> 406  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189045a03b1  
  
<400> 8406

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atgcgcgcgc gcgggagctg gggatcgacc tcgactccgt cgacgtcgac tccatcacc 180  
tcccgcccgg cgaggacttc gacatcctca gtgatgatga ggatttactt cagaatgaag 240  
acattccaga gctggagatg ggcttttcaa acattattgt ggtggacaat ctgcccgttg 300  
ttcccccaga aaagtatgag aagctggaga acgtcgtacg caagatatac agtcaaattg 360  
gtgtcatcaa agaaggtggg ctttgatgc ctacacaccc agagac 406

<210> 8407  
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 <212> DNA  
 <213> Triticum aestivum  
  
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 gagcgtcggc tacggcaacg acaggagcag cggcagcgtc tacgacgcca gccacgccga 180  
 ccagctcaag taccaccacc accaggacgt ccatcacgcc tatccaggtt cgcctactt 240  
 ccagggcaat ggctggcggg ggcgccgtca tcgggctgga catcaacaac ggcgcgtcgt 300  
 cgtcacactg caccggcctt ccggaccacc actacatgcc ggcgcacca 349

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 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189045a08b1  
  
 <400> 8408  
  
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 aacctggtgt tcctctgata tccccaccac cacaccatga catctattct attgaggatc 180  
 tggcgcagct aatttttgac ctacatcaga tcaatcctaa agcgaagggtg tcggtaaagc 240  
 ttgtagctga agcaggaatt ggaactgtag cctctggagt atctaaggca aatgcagacg 300  
 taattcagat atcaggtcat gatggtggta ctggagctag cccaattagc tcaatcaagc 360  
 atgctggggg tcctagggaa cttggtctta cggaaacaca ccagacactc ata 413

<210> 8409  
 <211> 231  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189045a09b1  
  
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 ccgaagaagg ggtccctcgg caccatcgcg cccatcgcgga tcggcttcat cgtcggcgcc 180  
 aacatcctcg ccgcccggccc cttcagcggc ggctccatga accctgcccg c 231

<210> 8410  
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 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189045a10b1

<400> 8410

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 ttcactgccg ctgcctcgac gaccaagcaa agccaggtct atatagtgtg tctgggcgag 180  
 cagcccgag ccaagtcgaa gggaaccatc cttgatgatc accatgccct cctctccgtc 240  
 aagg 244

<210> 8411  
 <211> 198  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189045a11b1

<400> 8411

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 cgctcgcgt tcctcggcac cagcatgctg gcgcggtcct gcaccgaaag catgctgcgc 180  
 aacaaccgc tgagacc 198

<210> 8412  
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 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189045b01b1

<400> 8412

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cctccccgct cgttccccctt gcttctccgg gagggaagga acccgcgagg ccggcctccc 180

accctccgca aaagccacgc gccaccaacc caaccctcc gtcccgcgcc gccccgcgcg 240

tcgctttcgc ctttctccgc gcaaccgaaa gagaccgacc gcgaggccca taaagaggga 300

ggcgccgagg ccggcggcta tgggcggcgg cagcagatcg cgcg 344

<210> 8413

<211> 389

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045b02b1

<400> 8413

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ctgctccgca tgctcgagga ggggaagggg gctggtggtg accatgatca ccctgcacct 180

ccagtcaagg aagagatcat gggcagcggc gcggccgagg tgctggggcc tggcgtggat 240

ctgaatatcg gcttgccggt tgggtgatct tgcgatgatg acatcatgga ggaggagagc 300

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gaacctaacc atggcggttg caaggtgga 389

<210> 8414

<211> 322

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045b03b1

<400> 8414

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gccctactac gcgtaccggg ccccgagca gccgtactac gcgccccgc cccccctcc 180



gcccgccccg cgccggagcg gccccggtg cctcctctgc ttcgtcttca aggtcatcgc 240  
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<210> 8415  
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 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189045b04b1  
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 gagtcgtgca caccatctac attctcttct ctagaagcga aatcccga gcaaggaag 240  
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<210> 8416  
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 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189045b05b1  
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 ctttctccgg ggtcgacgtc tgcgacgacg cccaccccaa gtgcccgaag ggctgctcgg 240  
 cgtgccgcgt ggtgtcgacg agccccgaaa tgtggcgctg cgcggatatg aaatccaccg 300  
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<210> 8417  
<211> 230  
<212> DNA  
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<223> Clone ID: uC-tsrow189045b06b1

<400> 8417

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ccgtacagca agagcgtcgt ggaggcggcg cctggacact ggaggagaac aaggtgttcg 180  
aggaggcgct cgcggcgcatc gacctggacg cgccggaccg gtgggagatg 230

<210> 8418  
<211> 361  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045b07b1

<400> 8418

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acggctctggc caagatgctc gtctccgacg agggccggaa ggagtctgcc aacctccgtc 180  
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ttgactggga atactacaaa aagggaatcg gatcgaaagt tgtggatatg tacaaggagg 300  
cttatgatag cattgagatc ccaaagtatg ttgacactgt cacttctgag tacaagccaa 360  
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<210> 8419  
<211> 366  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045b08b1

<400> 8419

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aaccttcacc tatgagacct tgctcatcgc cactgggtcc tcgaccataa agctcactga 180  
 ctttggcggt caaggagcgg aatcaaacia catattgtat ctaagggaia ttgatgacgc 240  
 cgacaagttg gtcgcagcta tgcaagcaia gaaggatggg aaggccgtcg ttgtctgagg 300  
 tggctacata ggacttgagc tcagcgcagc actgaaaatc aacaatttcg atgtcactat 360  
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<210> 8420  
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 <212> DNA  
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<223> Clone ID: uC-tsrow189045b09b1

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<210> 8421  
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<223> Clone ID: uC-tsrow189045b10b1

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 gtttggcctc aagggtgtgt gagtactaca agcaagggtc acgcttcgca aagtggcgga 180  
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 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189045b12b1  
  
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 cactgacaag ctcaggtctc ttgtgaggaa gtggcagaca ctcatgtagg ctcatgtgga 240  
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<210> 8424  
 <211> 379  
 <212> DNA  
 <213> *Triticum aestivum*  
  
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tctgtgttcg gagaggggaa ttcttgaggt cggaatcgga acaagcgggc gcgctcggga 180  
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 ggtggcaaaa agtctagcag tagtagttcc ctgatgtacg aagctcccct cggctacagc 300  
 attgaagacg ttcgacctgc tggaggcgcc aagaagttct ctgctgcata ctggaactgc 360  
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<210> 8425  
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 <212> DNA  
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 cgggagcgcg gggccgacgt cttctcccgg gcgttctccg cggccggggc gggctccgag 240  
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<210> 8426  
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 ttggggggaa tttg 134

<210> 8427  
 <211> 186  
 <212> DNA  
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<400> 8427

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gctctt 186

<210> 8428

<211> 319

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045c06b1

<400> 8428

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tcgggtgcag aaaccgccag atggacttca tatatgagga tgagctgaac aactttgccg 180

aatccggagc cctgtctgag ttggtcgacg ctttttctcg tgagggtcct acaaaggagt 240

acgtccaaca taaaatggca gagaaggtaa cctgattgat aactcaccga ttatccatgt 300

actgtcgttg attatatag 319

<210> 8429

<211> 278

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045c07b1

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tgagcgaaaa tgccggtcag caggatcgcc gcggggagcc accgtgaggt gtacgaggtc 120

ggcgccctca aggcggcgct cgccgagttc atctccacgc tcatcttcgt cttcgccggc 180

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 <213> Triticum aestivum  
  
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 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189045c09b1  
  
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 gaggggaggg gctggagacg gggaggaaga gggcgaggca gggaggaggc ggaggagga 119

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 <212> DNA  
 <213> Triticum aestivum  
  
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 <400> 8432  
  
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 gcggcgggccg ggcaggagga cgatgactcc gtcgggacca agtgggcccgt cctcgtcgcc 180  
 ggctccaagg gctaccagaa ctaccgccac caggcagata tctgccacgc ctaccagatc 240  
 ttgaagaagg gtggtctcaa ggatgagaac atcattgtct tcatgtatga cgacattgag 300  
 cataaccgag agaaccgag gccgggagtc atcatcaacc accccca 347

<210> 8433  
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<212> DNA  
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 <223> Clone ID: uC-tsrow189045c11b1  
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 agggctcgag atctgtgttc ggagagggga attcttgagg tcggaatcgg aacaagcggg 180  
 cgcgctcggg atcgggggta ccatacaatt tttcccagga accttttagtg aatgtgctaa 240  
 tggagtcaaa gggtaggcaaa aagtctagca gtagtagttc cctgatgtac gaagctcccc 300  
 tcggctacag cattgaagac gtctgacctg ctggaggcgc aagaagttct ctgctgcata 360  
 ctcgaactgc gcgaagaagc catccctgat atcgttttgg catccccttc ccgtagttta 420  
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 agcggcagga ggagcgccag cggaggggaag agacggcagc agctgtccat ccgcgcggtg 240  
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 tcgctgaaaa tcaagctgct gagcgcggtc gccgggctga accgggg 347

<210> 8435  
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 <212> DNA  
 <213> *Triticum aestivum*  
 <223> Clone ID: uC-tsrow189045d01b1  
 <400> 8435



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 cacaagatga tgctggcctg tctccaagca tcacagaaag gtaattgtgt tggtaagctg 180  
 atgatgcgca tgtgagcaca tgcgtattgt actacttgat gtaccagtac attggtaggc 240  
 taggacggtc tttgccatgt cgggtgcgct cgccttgga ggccacgaga caataaaaag 300  
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 <211> 296  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189045d02b1

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 ggatggggcc cgaggcggca acgctgtggc tggctcttga acggcacacg ccgggagtcc 180  
 ccccttgggt gaatgagagg agcgacgaac tggaaactgt ggctcggatt ggagctgttg 240  
 gaatggaggt gtgtgaagcg ctcatgggat tgcacggcga ggggatgggt ctgggt 296

<210> 8437  
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 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189045d03b1

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 acctccgtcg gtgccacagc aggatttggc ctgcgcgcc tactggcggc tggctctcatg 180  
 gcttgaacgc atatatgat cagctgccac gcgcacatat gagcttatat attgttaact 240  
 actgctgtag tcattatcac ggggtgaatac atgtattctt ttttagagtg agaattgtgat 300  
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384

<210> 8438  
<211> 355  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045d04b1

<400> 8438

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ccgaatcttc tgcggcaagt ctttcaccgt cgacaacaac cagatggctc gcttcgccgt 120  
ggtcgccgcc ctctctgccc tctctgccgt cgccgccgcc gcgcagggcc ccatgctggc 180  
gcccaggacg gcccctcttc cagcgccacc ggcgaggctc ccagccatcg cccctgcgcc 240  
ggtcgccacc ccgcccaccg ccgtgtctgc gtccccgatg gcatctaccc ctgccccgac 300  
caccgacgct ccctccgcga tgacgccgtc cgcggtctct gccacaccgc ctgga 355

<210> 8439  
<211> 378  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045d05b1

<400> 8439

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gccggccatc ggcatcgacc tcggcaccac ctactcgtgc gtcggcgtgt ggcagcacga 180  
ccgggtcgag atcatcgcca acgaccaggg caaccgcacc acgccctcgt acgtcgcctt 240  
caccgactcg gagcgctca tcggcgatgc cgccaagaac caggtcgcca tgaaccccat 300  
caacaccgtc ttcatgcca agcgtcttat cggcagaagg ttgctgatg cctctgtcca 360  
gagtgatatt aagatgtg 378

<210> 8440  
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<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045d08b1  
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 ggagataatg agagaaagaa atctgcatct gccaaagtacc cgagtgattc acagcagcat 180  
 tct 183

<210> 8441  
 <211> 328  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189045d10b1  
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 accttcgagg agggcgagcg cgagagcgag tacggctacg tccgcaaggt ctctggaccc 180  
 gtggtcgtgg ccgatggcat gggcggtgcc gccatgtacg agctcgtccg tgtcggccac 240  
 gacagcctca tcggggaaat catccgtctc gagggcgatt cagctacaat ccaagtttac 300  
 gaggaacag ctgggctaac ggtcaacg 328

<210> 8442  
 <211> 318  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189045d11b1  
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 acgccgggag tgccttgag agggggagcc gctgccaga gggagagcgc gttgttgagg 180  
 ggaggaattc ggggaaccac atctcactac tggatgtgga cgacctcaaa cgaagatggc 240  
 ttgccattac agagaaagct gggaaggag caagtgggtgc ttcggcgacc gcaaaaagct 300

gtagttggtgta agatggat

318

<210> 8443  
<211> 358  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045d12b1

<400> 8443

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ggccgctcgg cgcgatcggc agcagatcca gcccggccgc tgctttcctc ctggccgctc 180  
ccgcgatctg cgcccagttc gccacaggac tagctgatga tgcattctaa gatgagtcaa 240  
aaggtcacac tggccaaaca gttttgtttg tcctgctagg aattggtgca gccgggtctgt 300  
tgtcattctt ccttttcaag tattggcaga agaagaaaag agaggagcaa catgcacg 358

<210> 8444  
<211> 320  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e01b1

<400> 8444

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cgcggtcgca ccgcttcac tgccccgcgc gtacgcgcgg ccccatctcc cgccgccct 120  
ccccgctcga tccttgctc ggccgcttcc tccctctcg ccgccgcaag gccattggcg 180  
gcgttgatgg ggtcgccggc gctggttgcc gcaaggctga cggggcactg cgcgtcgagc 240  
gcgcgggctg gctgtgagct ctcccagggt acttaaagga cgagttgctg cccttcgcaa 300  
ggatacaaca gttcttttgg 320

<210> 8445  
<211> 317  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e02b1

<400> 8445

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gtctagggtt tccgtagttc ggagaggaga gaaagggaga gatccatggc ggagacggag 120

taccgctgct tcgtgggcgg cctcgtctgg gccaccgacg accacaacct ccagcaggcc 180

ttcagccagt acggcgagat cctcgacgcc aagatcatca acgaccgca gacgggcagg 240

tcccgtaggt tcggttcgt cacgttcggc agcgaggagt cgatgcgcca ggccatcgag 300

gagatgaacg gcaagga 317

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<211> 224

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e03b1

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tacctacca cccctcgag gccggagcgg aggagatgga gtcgccggag ccggtgagcc 120

cgtcgtcgtc gtcgtcgtc tcgggggacc gggagcagca gcagcgccac ggggcggcgg 180

agcggccgtc ggagacggcg gcgctgcggg cgctggtgga gcgg 224

<210> 8447

<211> 369

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e06b1

<400> 8447

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ctctgatgat aaagaagcca acattcttgg accagctagt caagctgcaa gtgtcatcgg 120

aaaatctggt tctgtcatca agaggctgcg ctgagtttca aaatcattca ttaaaggtaa 180

acaaaagat ccaagtgacg ttacacactc atgtgctatg agttttgata atttcgctca 240

gataactggg gacactagag ctgtcaagaa ggcattgata gcaggatcaa caattctcta 300

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cattataact

369

<210> 8448  
<211> 280  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e08b1

<400> 8448

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gatgaagacg aagcaggctt ccaaggccaa ggcggcgcgcg tcgccgggga aggaggagga 180  
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ggcgtggttc gtgcggctct tcggcgagcg ccgctgggat 280

<210> 8449  
<211> 290  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e09b1

<400> 8449

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agacaacaag tctcctccac aaaaggggtg agatgtctc gctgaggccg ctcaacacgg 180  
aaccaagttt tctccactcc ccgaagctgc agagcccag ggatgcctgc gccgcgccgc 240  
tgaggtcgcc gtcgccgagg gtcgtcgtcg gcccgccaaa gaagaggatg 290

<210> 8450  
<211> 308  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e10b1

<400> 8450

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 cctcgacgac gacgcggtcc tccgacgac ccccgccggg ttcgctttca ggtggctgca 180  
 cacgccggca tttgcgacgg tgtcccccggt ggagatctca ggttcaagcc cggcggaagt 240  
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 tttaaagt 308

<210> 8451  
 <211> 400  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e11b1

<400> 8451

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 gatgttgagc ttctctcatg ggcaagtgtc aaggacattt gcaaagatgg cagcatcttt 180  
 aagaagatac tagctgaagg cgagaagtgg gagaatccca aagactgtga tgaagttttt 240  
 gttaaatatg aggcaaggct tgaggatggg actcttatta caaaatctga tggatttgag 300  
 ttcactgtca aagaagggca tttctgccct gctatatcga aggctgtcaa gacaatgaag 360  
 aagaatgaga aggccctcct tactgtcaaa ccacaatatg 400

<210> 8452  
 <211> 348  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e12b1

<400> 8452

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 gatgtccaaa gaggtggatg aacttgctcg gtggaccctt gggaagaaat ctcatgctat 180  
 tgatgctttt tcgctgccc tgcaagccat tccaacaatc atagctgaca gtgctggtct 240  
 ggatagtgcc gagctgatct cccagctccg agccgagcac cacagggaga acagcactgt 300

tggaatcgac gtcacacgag gcgggctggg agacatgcag aagcgtgg

348

<210> 8453  
<211> 328  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045f01b1

<400> 8453

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accaaatcat cgcgtggaag gaggtattcc cgaagcaggt cacctgtag gagagaccgt 180  
tacagctcac gctactcgcc tgagcgagaa cgctcttatt ctccttatcg cagaggacga 240  
tcatactctc gtcgtgacag gcgtagatca tactcccctg atgaaaggag gcgatactac 300  
tctccctatg gcagaaggag atcatact 328

<210> 8454  
<211> 275  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045f02b1

<400> 8454

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cggcgaccag ctccgcctcc agacggccac cttctccggc ctctccctcg gcgactccat 180  
ctgggtcccc gtcgacgccg tccctcgcgc ccgcaacgcc gaccccgcc tcttctcccc 240  
ctgccaggcg gtccacaaca acgccggaac cggat 275

<210> 8455  
<211> 369  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045f03b1

<400> 8455



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 tccttgcatc atattgaccc ctccggacgg tcaaagcgt atcaaagagt aatactggag 180  
 attggagata tactacagta ctatgaccca gctaagcgta tcccctcttg gggctatggg 240  
 gcaagaccta ttgacgggtc tgtttcacac tgtttcaact taaatggcag cacttatcag 300  
 cctgaggttg aggggaatata ggggaattatg tcagcttata tcagtgcgct acgcaatgtg 360  
 tcattggct 369

<210> 8456  
 <211> 360  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189045f04b1

<400> 8456

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 attgaagaag gtggaatccg agcatcagct tattcttcac atgagataga tgaacatgag 240  
 aatgagcgag ctatggatgg attgcaagat cgagtcagca ttctcaagag gatatcaggt 300  
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<210> 8457  
 <211> 148  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189045f05b1

<400> 8457

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 cggtggcggt atttggtggt ggtgatag 148

<210> 8458  
 <211> 241  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189045f06b1  
  
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 cctcggagga tgtcaaattc tttgtgtgtg tttcggagtg ctggggaagg ggcagaggct 180  
 ggggcagggg agacacgttc tttctcaatg ccttgatgca tgagggtggt gtacatggtc 240  
 a 241

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 <211> 275  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189045f07b1  
  
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 tgctgtgtgc tctacctgta ctgtaaaaga ttcattccat ggccgcggag tctgcctggt 180  
 gctggccgtg gctcagctcc ggcacggtgt ggttcctctt cttcaacgtc ttcgtcggcg 240  
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 <211> 120  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189045f09b1  
  
 <400> 8460  
  
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 ttttgggggt ccttggttcc agggaaacca ggttctggag ggtaataaaa tccatggggg 120

<210> 8461  
 <211> 384  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189045f11b1

<400> 8461

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 ccttaacaac aattactcaa ttgccccatg tggaaatgtc cttgcaagac actgaggcgg 240  
 agctgggtcat accatatata gctccaacca ctcatatag tgccttgtct ggtttctatg 300  
 attgggggtac agtcttttgt tatgtttatt cccattagc aactgggacg ggtagcaata 360  
 ctgatcgcta tactgcttgg atga 384

<210> 8462  
 <211> 346  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189045g01b1

<400> 8462

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 cgtgggaggt gacgatgacg aatgatatgg tggtcagcag ataaaagaag ccgttcattc 180  
 ccattgcca gttggggcct cttaggggac taatctagca ttgggggtta caggaggaga 240  
 gacgctctca tggattagga tgttgacat cattgacggg tcattccatg gattaggatg 300  
 ttgcacatca tcgacgggtc attccatgga ttaggatgtt gcacat 346

<210> 8463  
 <211> 271  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189045g02b1

<400> 8463

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 gggcgctgga cgcgctcacg tcgcccgaagt cggccctgct ggagtgcgcg cggcccaaga 180  
 agctgtcctc ctacgcgcgc gtccgctcca tcagcctccc cgtccgcctc caccgcgtgg 240  
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<210> 8464  
 <211> 327  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189045g03b1

<400> 8464

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 agaggacgaa gcaattcggc atcgggtggcg ccctcccgcc caagaaggac ctccaccgct 180  
 tcgttaagtg gcccatggtt gtgcgcaccc agcgccagcg ccgcatcctc aagcagtgcc 240  
 tcaaggtgcc cccggcactc caccagttca cccgcaccct cgacaagaac cttgcaacaa 300  
 acttgttcaa gatgcttctt aagtacc 327

<210> 8465  
 <211> 320  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189045g04b1

<400> 8465

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 caacatatta tcagcctggg gttgatcgga ctgctatgtc ctcaccattc aaaaggtttc 180  
 tagagaagca caagaagctg cggacatggt tgcttctttt tggtctgctt ggagcatgca 240  
 tggatgatagg tgatggcgct cttacacca ccatctccgt tttggcagcc ttgtctggat 300  
 tacaagaccg aggcacaggt 320

<210> 8466  
 <211> 347  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189045g05b1

<400> 8466

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aaagaggatg ctgcatgctg tttaccgtgt gggagatctc gaccgcacaa ttaagtgtta  180
cacagaatgc tttgggatga agctgctgag gaaaagagat gtccccgaag agaagtacac  240
caatgccttt cttggatatg gacctgagga tactaatttt gcacttgagc tgacttacaa  300
ttatgggtgt tgacaagtac gacattggag cgggctttgg acattttt                347

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<210> 8467  
 <211> 369  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189045g06b1

<400> 8467

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tcctcgctt ctccgcgcc tccacgacgt actcggcgga ccgctactcc ctccgaggagc  180
tcctccgcag ggtgaccaag tgggccaacc tgagggggccc tctcgtcacc gtgggctgtg  240
gtcaccgcgc tccagctcac gttcatggcg ctctggggcg tctacctctc cgccgtcatg  300
cgccacgcgg ggggtgctctc cgtgcaaggc gcggtcttcg tcctcgctt tctcgcttc  360
atgtacttc                                     369

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<210> 8468  
 <211> 342  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189045g07b1

<400> 8468

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ccctctctgt gtgcatgacg atttatggtt ggggtgttcat gatctccgtt ggggttcaatg 180  
ccgctgcaag tgtaagagtg agcaatgagc ttggcgccgg caacccaag tctgcatttt 240  
tctctgtgtg ggtcgtgacc gggctctctg caacaatctc taccatcctt gctgttctga 300  
tcctctgcct ccgcaaccac atcagctact tgttcacaga tg 342

<210> 8469

<211> 209

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045g09b1

<400> 8469

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gcgccgtatc cgtcggcggg cccaagtcc caccggcacc ccagccggt ctgcggcgcc 180  
ttccagcctg gcgactccta ccgctacgc 209

<210> 8470

<211> 122

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045h01b1

<400> 8470

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ttgcaacaca cagttatgct gtccactgct ggatcgaact tgactagctt attgctttaa 120  
aa 122

<210> 8471

<211> 215

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045h02b1

<400> 8471

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a a c c c t t c t t g a g g c g c t t g a c c c a t a t c a a c g a g c c c a a g a g g t c g t c t g a c a a g c c c c 120  
t c c g c c t t c c c c t t c a g g a c g t t t a c a a g a t t g g t g g c a t t g g a a c t g t g c c a g t t g g t c 180  
g t g t t g a g a c t g g t g t c a t c a a g c c t g g t a t g g t t 215

<210> 8472

<211> 278

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189045h03b1

<400> 8472

g c g t c c g a a a g a c a g t g t a g c t a g t a a g t g a g a c t g t a a g t g t c g a g a c a t g g a g t a c t c 60  
t c g c c g c a g c a g g t t g c t c c t g g t g t g c t c a g t t c t t g t g c t c t g c c t c g t a a c c g g a g a 120  
c t c a t g g t g c a c c a a g t t a a g c a g c a a t t t c t a t g a c t g g a c g t g c c c c g g a g t g t a c a a 180  
c g t g g t c c a g c a a c a c g t g t t t t c t g c c a t g a g g g a a g a g c t g a g g a t g g g g c c t c c c t 240  
g c t c a g g c t c c a t t t a c a t g a c t g c t t t g t c a a t g g g t 278

<210> 8473

<211> 205

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189045h04b1

<400> 8473

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c t c c a a g g t g c a g a g g g a g c t a a t g c t a a a g g a g a a g g a g a g g a a g g a g c a a g a g t t g a g 120  
g g c a c t t g c a c a g a a g g c c c g c a t g g a a a g g t c t g g t g c t c c a c c t c c a t c c a c g g g t a t 180  
g c c t g t t g g a g g t g g g a g g g a g a g a 205

<210> 8474

<211> 337





<210> 8477  
 <211> 440  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189047a02b1  
  
 <400> 8477  
  
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 cgcttgatt taggcaactc caacgtctcc ggctccatcg gccccgagct cagccgcctt 180  
 gtgaatcttc agtacctgga gctgtacagg aacaacctca acggcgagat cccaaaagag 240  
 ttgggcaagc tgaagaattt gatcagcttg gatctgtatg ccaataagct caccggaaga 300  
 atcctcaagt ccctttccaa gtcagctca ctgagattca tgcgtttgaa caacaacaaa 360  
 cttgctggat caattccacg ggagctggcc aaactcttca acctgaaagt cattgatttg 420  
 tctaacaatg acttatgtgg 440

<210> 8478  
 <211> 118  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189047a03b1  
  
 <400> 8478  
  
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 tgaaacctgg atgttatgag acttggttgt gtcttttaata actagtttgt tgaatttt 118

<210> 8479  
 <211> 135  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189047a06b1  
  
 <400> 8479  
  
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 caaaggggct gaaatttgta actgttttga tcagcattgg agctgtcgct ggtcttacta 120  
 caacacttct tgttg 135

<210> 8480  
 <211> 453  
 <212> DNA  
 <213> Triticum aestivum  
  
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 <400> 8480  
  
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 aggtcaacgg cctggtctac gacgccatca acaacggcgt ctacaagtgc ggcttcgccca 180  
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 gcctcttcgt cacgctcata agatttgacg aggtttacgc cgttcacttc aagtgaaca 360  
 tgaagtcct gagagagtac cctaacctgt tcaactacac caaggacatc taccagatcc 420  
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<210> 8481  
 <211> 319  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189047a08b1  
  
 <400> 8481  
  
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 tggcgccaag gacgaccact acaatgtgcc gctggattac ggcaccgtga cgggtgtcgga 240  
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 cacgctcaac gacgacgtt 319

<210> 8482  
 <211> 400  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189047a09b1

<400> 8482

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atgaccttca tatgtttgat ctgaagtcct taacatggct tcctttgaac tataaagggtg 180  
ctggaccttc tccaagatcc aatcatgttg ctgcacttta cgatgacaga attcttttga 240  
tttttgaggg cgaatcaaaa tccaagacct tgaatgatgt ccatgctcta gattttgaaa 300  
caatgttatg gtcaagaatg agaacacatg gtcacatcc atcacctcgg gcaggttgct 360  
gtggagctct ctgtgggacg aaatggtata tagcaggggg 400

<210> 8483

<211> 481

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047a10b1

<400> 8483

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aagctggagc aggccgccga gatggagcgc cagcgtctgg acttcgcacg ggagcttgag 180  
tcgcaacgcg tgcagttctt cctcaatacg cagaaggagc tctcacaggg caagagccac 240  
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tctaggagga tggcgtccgt accagattcc acatcgagaa gaatggcacc gtttcctgat 360  
gcccggacga gcagcaatca ccatgaccgg taccgtgcca gcgacggtag cagacaccat 420  
caccgccctg ccctgcgtcc gcattatcag taccatgaga acaatatggc agactctgca 480  
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<210> 8484

<211> 334

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047a11b1

<400> 8484

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tgccgatctg gccgccccgc ggtcgggcac gatctggagg accaacaggc ggtggtgcac 180

ggtctgggcg gcggcgacct gcggggccca ggtgctgcac cgatgcctcc ttcctccgtc 240

gcccaggctc aaggcggctc tcttctagcc aaccaccagc catgcgtcgc cccctcctcc 300

ttggccgact ctctcctcct ctagagaagt agca 334

<210> 8485

<211> 332

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189047a12b1

<400> 8485

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agcagcagca ggggagcagg ccgctgtgcg acttctccaa ctttcgggcg aacgtgtgcg 180

agatgcgcgg cgacgtgagg gtgcacccga aggccacctc ggtgctcttc atggagccccg 240

aggggtcgca gcgggacgag gtgtggaaga tcaagcccta cccgcggaag ggcgacgagt 300

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<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189047b01b1

<400> 8486

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ggtgacaacc tgctttgggg tggttctctc attgaatatg cacgtgttga gcaat 175

<210> 8487  
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 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189047b02b1  
  
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<210> 8488  
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 accgcatgtc gtggtctgac acggacgcgg cgctcttcgc ggccgtcctg ggccacgacg 180  
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 ac 302

<210> 8489  
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 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189047b04b1  
  
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<210> 8490  
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<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047b05b1

<400> 8490

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taagcatgag cctgtccgcc ttttagctct ttcaagttcc acaggacatg gaactaatat 300  
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agccattata tcagcatttt ggttgggacg tacctgtggc ttggtagacg agcttggcaa 420  
tccaac 426

<210> 8491  
<211> 243  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047b07b1

<400> 8491

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cgggtggccca ggtgttcaag gcgaatgatg tcgccctgtc gaaccatagt agctccaggt 180  
tgcaggacat tcgtgggctt cggcggtaag ggcattctga tcgcccccta tggtagacac 240  
ttg 243

<210> 8492  
<211> 470  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047b08b1

<400> 8492

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 atcaccaact acttggtgag ggcaaagttc caaatcctgt tctgtatac atcgatgaag 240  
 gacctctcga ggaagcactt cagtgggtccc caggtgaccg gtttgacata tctttttatt 300  
 taatgcttct tcatgcaaac caagatgaga agtttgggct tctaaagact atgttcagtg 360  
 cattctcgtc atcgatgat cccatggact accatatgat ctggcatcaa cgatctattc 420  
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<210> 8493

<211> 248

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047b09b1

<400> 8493

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 ccatcgagga ggtgatctac cacaacgaga cgtacgacgt gacgaccata cgcgcgagca 180  
 cgccgatgtt cctgatggcg cgcaagatca aggcgctcgg ggttaagatg gtgctgtctg 240  
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<210> 8494

<211> 365

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047b11b1

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 agtgggtccat ttacacgaa agaaggaagt tgaatcttcg gattcatcca actccatctc 240  
 tggcctgatc tcacgggctt catcagagtg cccaacattc ccagactgtg gttttcagct 300

ggccgatagt ggcgtcgtac tcacctgctt ggattgcttt cttgcgaatg gtcacctcta 360  
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<211> 341  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047b12b1

<400> 8495

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cctcaggaag ctgacggagg cgccgtacct ggagacgggt gactggagca cgtggcatgt 180  
gtactgggta gacgagaggg tcgtgccccaa ggaccacgag gatagcaact acaagctcgc 240  
cctggatggg ttctctctca aggtaccaat tcctgctggt caagtgtatg ctatcaatga 300  
tgccttgtct gctgagggag cagcagagga ctatgaaact a 341

<210> 8496  
<211> 153  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047c02b1

<400> 8496

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gtcggccgac ggggcgcggg agatggccaa gcc 153

<210> 8497  
<211> 292  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047c03b1

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cctgcctgtg tcaacgctgc ccgcttcatg tgcgccggcc agcctgctga tggctccaag 240  
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<223> Clone ID: uC-tsrow189047c04b1

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aatcatctta aatgtgtgtg tgaactgcta acttggttct tcctctcgga tgtgattcct 240  
tagacctttc atcatcatat tcatttcatt gtatattgca agacttggat tcaaagtgtg 300  
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<223> Clone ID: uC-tsrow189047c05b1

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gccatggtct cggacagccg cttcatcgtg gacatcgccg tcagggagag cggcgacgtt 180  
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<223> Clone ID: uC-tsrow189047c08b1

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 cagcccggcc agcgcacgtc cgtccagcac gaagaatata aggttcactc acacaacaga 360  
 aatggcctct gcgtggtggc attcatggat gatcactatc ctgtacgaag tgcattttct 420  
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<223> Clone ID: uC-tsrow189047c09b1

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accctcg 127

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<212> DNA  
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<223> Clone ID: uC-tsrow189047d07b1

<400> 8511

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accagatggt attctggcat cacttgtgcc ttgcattttt atgcaatact tagccataaa 180  
taaattggacg ccacttcata ttccttgaac catttc 216

<210> 8512  
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<223> Clone ID: uC-tsrow189047d08b1

<400> 8512

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cgccgcgga ggcggcgga acaactccac cgactctgcc gggcaggtcc gcctgagctg 180  
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<223> Clone ID: uC-tsrow189047d09b1

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cgtcttcccc ttcaggacgt gtacaagatt ggcggcattg gaactgtgcc agtgggcccgt 180  
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<210> 8514  
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 cagcaaggcg aagaagggcg tggagacgta caagatctac atcttcaagg tgctgaagca 180  
 ggtgcaccct gacatcgga tctctccaa ggccatgtcc atcatgaact ccttcatcaa 240  
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 gtgttcccc gcgagcacga gtgcatgctc gacctgcgc tcatcacgga caagcaccca 240  
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tccgctatac atgttgttgt tagcctttaa atttacagca gctggatgga tgttttctct 300  
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ggtcgaagct ccgatcagag cagattggaa gtggtgacag gtccgagcgc atcagaacat 180  
acaacttccc acaagggcgt gtcactgacc atcgtgtcgg ggtcacgcac cactccatag 240  
tggacgtcat ggagggagag agcctggacg tcttcacga agcgctgctg ctgcaagaag 300  
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<211> 371

<212> DNA

<213> Triticum aestivum

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 ccaggгgagtг cctgcctctg atcctcatcc tgaggaacag actgaaatat gctctcacct 240  
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 atgccaaccc agttcatggt gccgctgacг tgctatctca ggcagaacat ggcccagata 240  
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<400> 8525

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<223> Clone ID: uC-tsrow189047f07b1

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 <212> DNA  
 <213> Triticum aestivum



<223> Clone ID: uC-tsrow189047g04b1

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<212> DNA

<213> Triticum aestivum

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<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047g06b1

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cgggttcgag ggctactaga agcgcctcga gatcaccttc tccgaggcat cgatctttgc  240
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<212>       DNA

<213>       Triticum aestivum

<223>       Clone ID: uC-tsrow189047g09b1

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cctcatcctc gcctcgctcc agcgccgcag gatgtccatg ggcgttgtgg tctctcgcaa  180
gatcggcgcg ctcatgtgg ccgactggga gagagcggac cgccacaagg ctctcgcgct  240
acaaacggtg gagaagagac cggtaatcat ccaggagagt gacttggagg ccaatttctc  300
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<210>       8546

<211>       57

<212>       DNA

<213>       Triticum aestivum

<223>       Clone ID: uC-tsrow189047g10b1

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<211>       206

<212>       DNA

<213>       Triticum aestivum

<223>       Clone ID: uC-tsrow189047g11b1

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tgagaggagg ccaatatgca atcgactgg cactgcttga tgagggcaaa gttgttttgg   180

gcgtgttggg atgtccaaat ctctct   206

<210>       8548

<211>       142

<212>       DNA

<213>       Triticum aestivum

<223>       Clone ID: uC-tsrow189047g12b1

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<210>       8549

<211>       332

<212>       DNA

<213>       Triticum aestivum

<223>       Clone ID: uC-tsrow189047h02b1

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cattatattc agattcatca ggatgatctc aaacaaaatg tcctacttca gttgcttgct   180

gttgtagcta agcaaccggc ttttcaccaa ttacgttcgg tcgagcaact tggttacata   240

gactgctta gacagagaaa tgattcagga gtccgcgggt tgcaatttat aatccagtca   300

accgtgaagg atccatccaa tctggatgcc ag   332

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<211> 258  
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<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047h03b1

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ggtgtatacg cattgatcac atatctgtat ataatgaaac tatttatgtc tagctactaa 120  
ccatttggcg gacgcagctt acttattcat aatcatcagg agcctgtcat cagcaggatc 180  
cgggggcgaa gccgacggtc ttcttgccaa ggctgtagag cagccccgag gtcttctgct 240  
gcgtgttccc gatgatgg 258

<210> 8551  
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<212> DNA  
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<223> Clone ID: uC-tsrow189047h04b1

<400> 8551

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cctcgctc gccttctct tctgctccgc cgccctgag ggacagggag atgccgccgc 180  
cttcatcgac ggcgcgtc accgctacct gcgggatcag cagggcgacc aggccacgtc 240  
gatgtcactt gatgaagttt ccgcagctgt ttctgtcttg cttgggtttg caccacctgc 300  
catgcttccc gcgccttctt ctgcaaagtt aaacgagctg ctac 344

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<223> Clone ID: uC-tsrow189047h05b1

<400> 8552

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aagaaagagc ggaaatcgca gcagcagcag cagcagcacc atcgtgctca gcttagtagc 180  
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 gggagtgccg cgcgccatta atggcggagg cggaagggca gctcgcggcc tgctggggga 300  
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 <223> Clone ID: uC-tsrow189047h06b1  
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 atacaccagg aagttgcgga cgccgaagtc taagaaggcg gtgacggcgc atcggaaggc 180  
 caaccctgc tgcaggatct g 201

<210> 8555  
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 ccccgacgct tcagccatgg caggaatggc accggaaggt tcccagtttg acgctaagaa 180  
 ctatgattct aagatgcagg agctgctgaa ccaaggtgag actgaggagt tcttcacctc 240  
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<210> 8556  
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<223> Clone ID: uC-tsrow189047h09b1

<400> 8556

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 cgatggcgag gacggtggtg gtggccttgc tgctgacgca attctgcgac gtggttctgg 180  
 cggtgaggct gctggagggg gg 202

<210> 8557  
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 <212> DNA  
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<223> Clone ID: uC-tsrow189048a01b1

<400> 8557

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 tgtcaagctc tcccggggcc gcctactcgc tgggtccccgc catgctgaac cttcacgcc 179

<210> 8558  
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<223> Clone ID: uC-tsrow189048a02b1

<400> 8558

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 gtcaatctct acctcagata caagccgccc atagaggagc tggagcagtt cctggagttc 180  
 caggtgccgc ggcagtgggc gccggagttc ggcgagctgc cgctggctct cgccccgcag 240  
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<210> 8559  
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 cttagaattc ttacaaagtg aacgatctga tgagtctata tttggattat ggggcacgtc 180  
 ggggtgttggc aagacacggc ttcttttact catcgctgat agctttgccg attcatttca 240  
 tcacgtcata tttcttgatg gtggtagtag cgtcagagtt atgcaaaatc atttcgcata 300  
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<210> 8560  
 <211> 231  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189048a05b1

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 tgaagaaaat cactagcgct tcagaagggt ttgtatacct tgtaagtgtc aatggagtta 180  
 caggtccacg accaaatgtg aaccgcgtg tcaaagatct tcttaaggag a 231

<210> 8561

<211> 248  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048a06b1

<400> 8561

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gattactacc ttgtctctga atctacacaa ctgggcataa tcatgcctgc ttgtcactcg 120  
gtaaacggcc ctctcgagga ctacatctcc cacattgtcg agtggctgtc tcgaccacat 180  
gtgctggcca taataatagc atgggctgtg acctttaccg ctgattgctc ttgatacctt 240  
tgcttggg 248

<210> 8562  
<211> 179  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048a07b1

<400> 8562

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tgatgccgcg gggctcgtgt atgggccctc ggccggccggc cttggccggc tggccgcgga 120  
gagccggacg ccggccatgg tcgccgcgct atacgggagc acggccgtgc tggcgcacg 179

<210> 8563  
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<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048a09b1

<400> 8563

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gactagcacc acgagcgagc tcggccgatt ccgattccgt ctgcgctatt aaggtttggt 120  
tggaaggaagg ggag 134

<210> 8564  
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<223> Clone ID: uC-tsrow189048b04b1

<400> 8567

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gagcaagaag ctacagcaat tgtaaatgct gctagggctg ctaaaacggc gaggcttagg 180  
caagccaaag aagaggctga gagagaaata gctgagtacc gtgcacaaat ggaggctgat 240  
ttccagagga agctcaccga gaccagcggc gactctggcg caaacgtcaa acgccttgag 300  
caagagacaa acgtaaagat tgagcagctc aagcagcagg cagcaaacad ctctccagag 360  
gtgattcaga tgcttctgag gcacgtcacc actgtgaaga actaaagggt gatgagtcag 420  
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<210> 8568

<211> 290

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048b05b1

<400> 8568

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gtcctgggac gccgaagcac acgaggagcg cgagcgccgc ggcggcggcg gcggcatcgc 180  
ctgccaaggt ggcgccccag ctgacgctga cgccgcctcc ctccatggcg tcctcgccat 240  
cgccgtatta ccaccactcg gcgggcttcg tcgcctcgtg tcacctccgc 290

<210> 8569

<211> 358

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048b06b1

<400> 8569

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attcccgtcg aggaggctcc ggccgccggcg gcggtggagg ctgtcgagac ggccgcggtg 180  
 gcggtggagg ctgtcgagcc ggccgtcgtc gttgtcgagg agactacggt ggcagcggtg 240  
 gagattgtcg agccggctgt cgccacagtc gaggtggcag cgggtggaggc tgtcgagccg 300  
 gccgttgtcg ctccccagga ggccgtgaag gaggaagctg ctgcaccggc cgtgaccg 358

<210> 8570  
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 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189048b07b1

<400> 8570

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 tatcagcaac aaagatgaag attggaaaga ctacagagat cctgaagaaa gcggcgccga 180  
 tgtgcaagag caagaccacc aggctcttca tcctcgctc gctccagcgt cgcaggatgg 240  
 ccgctgccgc cgtggtctct cacaagatcc acacgcgcgt tgtggctgac cgaaatagag 300  
 tggactgcca caagcctctc gcgctgcgaa ccatcgagaa gagaccggtg atcgccatg 360  
 ggggtgact 369

<210> 8571  
 <211> 380  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189048b09b1

<400> 8571

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 tctttgtttt tgaatacatg gaatgcaatc tctatcagct gatgaagagc aagggaagc 180  
 ctttttcgga gactgaaatc cggaactggg gctttcaaat atttcaagct cttagtcaca 240  
 tgcataacg tggatacttt catcgtgacc ttaagcctga aaatctgcta gttacaaagg 300  
 agtcatcaa ggtagctgat tttgggcttg ctcgtgagat tatttctgaa ccaccatata 360

CCGCTGCCGC CGTGGTCTCT CACAAGATCC ACACGC GCAT TGTGGCTGAC CGAAATAGAG

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380

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<400> 8572

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tggcgcactt ccaggaggtg gactactgct cggaggaggt gagggcggag ggcaaccgg 120  
cccgccgcgg cggcggcgtg caggagcaca tcgtcaagga gacgttc 167

<210> 8573  
<211> 394  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048b11b1

<400> 8573

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tgcgttggac tctatcaggt tgtgatcttc ggaaaagtag ctaccaaatac tgatcttagg 180  
tgtatggaga aattattaca cctgaggtac ctagggctac tagatacacg ggttgatgct 240  
ctccccattg aaataggaaa acttcaatct ttgcaaacat tggacttcag gacaagtaaa 300  
tcttttgagg caccatcaag tggtgttcgg ctaggaaagc tgatgtgcct atatgttaat 360  
gagaacatga ggttaccggg tgtgatagac aact 394

<210> 8574  
<211> 84  
<212> DNA  
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<223> Clone ID: uC-tsrow189048b12b1

<400> 8574

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<210> 8575  
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<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048c02b1

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ggccaacgcc gagttcccaa agtgctgcga cagctgcagg ttcttctcgg gggccgtggt 180  
ctgcgacgac tcctgcccc aagtgccgca cggctgcgtg aactgccgcg 230

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<223> Clone ID: uC-tsrow189048c03b1

<400> 8576

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gccaccggtg ggaagcagaa ggcttgagg aagaagcgaa agtatgagct cggccgccag 180  
ccagccaaca ctaagctttc aagcaacaag acagtgagga ggggccgtgt tcgcgagggt 240  
aacgtgaagt ggagggctct ccgtcttgac actggtaact tctcatgggg tagtgaggct 300  
gtgacccgca agaccgtct ctggatgtgg ttacaattc 340

<210> 8577  
<211> 231  
<212> DNA  
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<400> 8577

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 ccgatttctt caatagcatg gacccgtacg tgatcctcac ctgccgcagc cacgagcaga 180  
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<210> 8578  
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 <212> DNA  
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 accatcctgg acgacatatt caagcatctg ttgtccctgg cgagatgcta aatccagctg 180  
 cgaaattcct gccgagtttt gattttcgcg tgacacatgt gccgattgaa cctgagccaa 240  
 tcacctaccc tcagaggcct ggagaaactg tttgtgattt gatcgctctg cacctgattc 300  
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 gagagaggat gc 372

<210> 8579  
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 <223> Clone ID: uC-tsrow189048c06b1  
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 cctgctgccc gaacacccat ggggtcggg 89

<210> 8580  
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 <212> DNA  
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 <223> Clone ID: uC-tsrow189048c08b1  
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52

<210> 8581  
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<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048c09b1

<400> 8581

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<210> 8582  
<211> 317  
<212> DNA  
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<223> Clone ID: uC-tsrow189048c10b1

<400> 8582

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agaggcttcc tcttccacgt cctcctcatg ctacgatgcc ttcgtgccgg tgttccgccc 180  
agatccctcg gcctcctccc tatccgtgtc ggcggccgac cgcgtccgga gccagttcct 240  
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cttccccgag gagaacg 317

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<211> 158  
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<223> Clone ID: uC-tsrow189048c11b1

<400> 8583

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158

<210> 8584  
<211> 140  
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<223> Clone ID: uC-tsrow189048c12b1

<400> 8584

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<210> 8585  
<211> 162  
<212> DNA  
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<400> 8585

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agcgctctgc gcggggccacg cggggcgcg gggtcacgct ct 162

<210> 8586  
<211> 270  
<212> DNA  
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<400> 8586

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tacgcgaagc gtgcgtacat gctaggcccc gtgtcactac gaccgccgtc gtcaccggaa 120  
gccgacgact cacggtacac cgactggctt gactcgaagc caagccggtc ggtgggtgtac 180  
gtgtgcttcg gcagcctcgc ccacgtctcc gacgctcagc tggacgagct cgctctcggg 240  
cttgaggcct cagggatggc gttcctgtgg 270



<210> 8587  
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 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189048d03b1  
  
 <400> 8587  
  
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 ttctgttaaa ggagcaagga gctaggggat tcttcagggg atgggtgcct accttgcttg 120  
 gttacagtgc tcagggggct tgcaagtttg ggttctacga gttctttaag aagacctact 180  
 cagatatggc tgggcctgag aatgctgtga agtacaagac cctgatttac cttgcagggt 240  
 cagcttctgc tgaggtaatt gctgatatcg ctctgtgccc ctttgaagct gtcaagggcc 300  
 gcgtgcagac acag 314

<210> 8588  
 <211> 338  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189048d06b1  
  
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 tcatgacgat attactgttg tagtactatt catggaccct gcgcttatca gcaggaggct 120  
 ctacgggtggg ccgttgcttt cgctaagggg cggtggtggt acctcgacgt ttgcacagaa 180  
 atgctgatca tccatgacag atgctttctg gaaatatcct cctatatatc gttcatatct 240  
 tggcctggtg ctctccacac gacatgcaga cactgcgtat agcgggtgcgt ggaggagccg 300  
 tattgttttg acttctaata tgcacagata gagagaga 338

<210> 8589  
 <211> 63  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189048d07b1  
  
 <400> 8589

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ggc 63

<210> 8590  
<211> 216  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048d08b1

<400> 8590

tgaatcgatc cttgcttctt cctcctgtct gctcacctgc aacctatcaa cgcacctccc 60  
ctgcgctgcg gctacctctc aagcaagctg cccatggcga ccaaaacctt agccctacga 120  
tgtccggctc aggcggggccc tcaggccgcg gctcagcagg cggcactcgg agcttcgact 180  
tcggcaccga cgacgtgctc tgttcctacg acgact 216

<210> 8591  
<211> 346  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048d09b1

<400> 8591

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gcgcagccgc aaaatgccgt tcaagaggtt cgtggagatc gggcggttg ccttggtgaa 120  
ctacggcaag gactactggc gcctcgctcg catcgctcgac gttggtgacc agaacagggc 180  
acttggtgat gctccggaca tgggtccgtg ccagatgaac ttcaagcggc tctctctgac 240  
cgacatcaag attgacatca agcggatccc taagaaggca actttgatca aagcaatgga 300  
ggaagctgat gtgatgacca agtgggaaaa cagctcatgg ggcaag 346

<210> 8592  
<211> 409  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048d10b1

<400> 8592

ttaaacccttt ctccttctgt cccgcaaacc cccgagagat cacagcatgt tcggcttcgg 60  
 tcaccacggc caccatggcc agaaccccc ggcccacgt cgggccgccc cgggaggcaa 120  
 ccagcccacc ttcaagatct tctgcaaggc cgacgagggc tactgcctct ccgtccgtga 180  
 cggcaacgtc gtccctgccc cgtccaaccc ccgtgacgag caccagcact ggttcaagga 240  
 catgcgcttc agcgcgccaga tcaaggacga ggagggtaac cccgccttcg ccatcgtaa 300  
 caaggccact ggcctcgccg tcaagcactc gctcgccag tcccaccgg tgaagctcgt 360  
 gccattcaac ccggagtacc tcgacgagtc cgtgatgtgg acggagagc 409

<210> 8593  
 <211> 227  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189048d11b1  
 <400> 8593

tggattgcct ttgtggcctc cttggtagcc atcctccttg tccagacgga tattctggtc 60  
 aggcaccacg tgctggaggc agccatgata ctgatctgt ttggcctcat cggcgcgtat 120  
 gccgccggga gctgccggga cgtgaacacc tccatttatg ccatagcttt ggcaggcgcc 180  
 gtccctggtct atgtggtgat ccatatcgtc ttcttcacgc tggacca 227

<210> 8594  
 <211> 136  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189048e01b1  
 <400> 8594

tgctcttcgc acgcagctcg ctgcaccaga acacctcgga gcagcagcag cggcggccgg 60  
 cggagaccgt gtcattggga tggagggcta cgaccgcgag ttctggcagt tcggcgacca 120  
 gctgcgctc cagacg 136

<210> 8595  
 <211> 164  
 <212> DNA  
 <213> Triticum aestivum

<223> unsure at all n locations  
<223> Clone ID: uC-tsrow189048e02b1

<400> 8595

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cagacgcggg cggggagctc gaggcggcct gcgggacagc agcatcggcg gcggcgagtc 120  
ggggcagggc cagcagcgat ggggttcgtc tccttcgtcg ggag 164

<210> 8596

<211> 335

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048e03b1

<400> 8596

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gatcgagcga gcaatggctc ccatgctcaa ggggatcgtg gaggacgcgc cgaagagggc 120  
ggcgtacgtg accttcctcg ccggctccgg cgactactgg aagggcgtgg tgggcctggc 180  
caagggcctc cgcgccgtca actccgccta ccactcgtg gtggccgtgc tccccgacgt 240  
ccccgaggac caccgccgca agctgctcgc ccagggtgc ctcgctccgcg agatcgtgcc 300  
cgtgtacccg ccggagagcc agaccagtt cgcca 335

<210> 8597

<211> 313

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048e04b1

<400> 8597

ttggactctg tgcttgacgc gtgcctcgcc caagacgctg acagcaaggt tgcctgtgag 60  
acatgcacca agaccaacat ggtcatggtt tttggtgaga tcaccaccaa ggccactggt 120  
gactatgaga agattgtgcg tgacacctgc cgcaacattg gcttcatctc tgatgatggt 180  
ggccttgatg ctgaccggtg caaggtgctt gtcaacatag agcagcagtc tcctgacatt 240  
gcccaggggtg tgcacggaca ttttaccaag cgccctgagg atattggtgc ttgtgaccag 300  
ggatatcatgt ttg 313

<210> 8598  
<211> 351  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048e06b1

<400> 8598

gcttgcggtg cccttgtgag ccacactaga tgctgttgt agtagacctc atctcaggac 60  
tgctgcgaga tctccataca catgagccag gctagccata ctccggaccc cacaatggct 120  
acgggtcccga tcggatcaag catcctaagg actcccaaga gtaatccagg caagacattc 180  
acaagtagaa acaggcttga aactccaaaa acatcttata acagaacaaa ccgcgctgag 240  
ccgccctcag tgacacctgt gaacaagagt gctcgactgg ctccaagagt atccctcccg 300  
ctgtcgacat acgaaacgcc catcaagcgc agcatcagca ttcttgacca g 351

<210> 8599  
<211> 296  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048e07b1

<400> 8599

tgacgaatgt ctcatcaaga ggacgctgga taaaaatgtg gatcttgact gtggcctgac 60  
tgacagagcg attggatacc ctacagaaat cgtacctgtg ttatttgcat tacctcgcat 120  
ggctggttgg ctagcacatt gctaggagcg acttgatgac cctgtccata aaatgatgag 180  
gcctcaacag gtatacgcg gcggttggt gaggcattac acccccgta gggaacgagt 240  
ggcatctaac cagggcgagg aacttggtca gatcgctaca tcgaacgcaa cgaggc 296

<210> 8600  
<211> 147  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048e08b1

<400> 8600

tcgctcgcaa cacggatggc ctagacgact ccaaagagtt tggtgcagca actgtccaca 60

tacatcagat ggctgagctg gactctgaaa ggtggggcct gcgctgcaa gctgctttaa 120  
gcaaattcga tctggatggg gatggat 147

<210> 8601  
<211> 376  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189048e09b1  
  
<400> 8601

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ctcggtgacg cgctgacggc gaggaacgat gccgacaacc tcaccgagct catcccgtcg 120  
ctgcccgtcg agaagcggct agtgccgccg cccgccgaca tgcagaggcg acagcaccgt 180  
gggtactggt tccccgagtg gcacctgtcg gccctggcgg cagtccgca tcaattcgag 240  
cccaagcaa cggacatctt cctcgtgagc tgccccaagt ctggcaccac atggcttaaa 300  
tctctagcct tcgccactgt gcaccggcac gtccaccgt catccagcca ggagcacct 360  
ctgctccacc aaaacc 376

<210> 8602  
<211> 52  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189048e10b1  
  
<400> 8602

tgggccgccg aggctcctgg cggggttgat gccggtgccg gtgatgggga tg 52

<210> 8603  
<211> 261  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189048e11b1  
  
<400> 8603

ttcggacgcy tgggttatca ttctgcaac caacaccgga tcaactagca gaggcactgc 60  
gagctcgcca ggcttccaga gcgtacaggg tggccgatcg atcgatccac cggcaagcaa 120

tggcggcgac agggagcgct aagggcctcc ggttcgctgc agcgtgcggc gtcctcagcc 180  
gctgcatcaa ggcggcggac ggcgggccgg cgcacacggt cgttctcccc ctcatgcccg 240  
gagcggaagt gcccgcgcaa g 261

<210> 8604  
<211> 227  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189048e12b1  
<400> 8604

tgcatggacc tcttgaggaa ggcgatggag ccagaggaga agtgctgag ggatgccaag 60  
atggacaaga gcactatcca tgatgttggt cttgctggcg gtcccaccag aatccccata 120  
gttcatcagc tgctgcagga cttcttcaac gggaaggagc tctgcaagag catcaaccct 180  
gatgaagctg tggcctacgg tgctgccgct caggctgcaa tcttcag 227

<210> 8605  
<211> 189  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189048f01b1  
<400> 8605

ggagcctgac acgagggccc tcaactaatt gcgagtggat tgatggctca cgggtgaact 60  
ctgaagtgga gcctaaactg aggagtctcc tactcgagat gggaagcgac aaaattttgg 120  
gactacaagt atgtgcatac aaagacggaa aggtcataat agacaccgct gctggtacat 180  
tagggaaat 189

<210> 8606  
<211> 314  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189048f02b1  
<400> 8606

ccttcaactc cctccccac cttctccctc cgctcgct tctctcgacg gtcgacgcta 60

tagcttttcc caaagtgcac gcgccatggc gagatcacga gacaccaggc tcaggctcag 120  
gctcacgctc ctctctgtca cccttcttct gctagtagac atggcaagcg tcagccatgg 180  
ccgacggaca ccggacgtgg atgccatggc cctcgtcggg ggcggtccac caccggcgaa 240  
ggcctactcc tccgagcagt cgtcttcgtc gacttcaagg gagcatacgg ctcgtgttta 300  
tcggcgcatg caca 314

<210> 8607  
<211> 216  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048f04b1

<400> 8607

tgcgttcatg gggatggcgg actggttcag gaaggacttt gttggacctg tgccatcgcc 60  
gttcgaggac gtgcatggcg cggccatctt cgaggagagc atgacgctcc tggacccgga 120  
gatggatcag ctgatccacg acgccgtcgc tgctcacgac cacatgggga tcggccccgt 180  
gctccggcag tgccgtgagc tcttcgaggg gcttga 216

<210> 8608  
<211> 240  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048f08b1

<400> 8608

tgcacaaacga gccacacaaa acaaacacac acgagcatta gttagcttgg gtgctccagc 60  
aatggcagtg acggtggaga tcacgcagag aacggtgctc gagccctcac gggactcggc 120  
ccgcggcggc ggcaagaagg tccctctcac cgtcttcgac cgcgctcca cggacggcta 180  
catccccggc gtcttcgcgt ggaacgcacc ggcgccgacc aacgacgcgc tcaaggccgg 240

<210> 8609  
<211> 147  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048f09b1



<400> 8609

tgctttatct gcgagttttt ccgtgatgcc caagagaagg ttcttccgta tgcggactat 60  
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 aatg 124

<210> 8613  
 <211> 136  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189048g01b1  
 <400> 8613

aagcagagcc tcccctggcc actgttacgc tccaagctcg ctaggcttcg agagcgtaca 60  
 gggcgaccga tcgatcgagc gagcgagcga gcggctagca cggcggcgac agggagcgct 120  
 aagagccgac ggttcg 136

<210> 8614  
 <211> 217  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189048g03b1  
 <400> 8614

tctgttggga acattttctca acttgcaaag gtgaagatca tgaaaagacc tggtgccaaa 60  
 tgggaagagc ttaaaatccc cagcagtatt cgatcaatta tctgtctcaa tttgccaaagt 120  
 ttctcgggag gattcaatcc ctggggaact cctggcacia ggaagaaaca agacagagac 180  
 ctgactgcgc cttatgttga tgatggactc attgagg 217

<210> 8615  
 <211> 380  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189048g05b1  
 <400> 8615

ggatcaggct atgcgtgagg cacttggctt agctcccaag cgtagcagtc gaccaaagg 60  
 caatcgttta gataagcatg aatatgctga gctaataaag aggggatcta ccgcagagga 120

tttgggagcc ggccatgctg aagcagcaca agtgcaagga ttaggtttat acaaggctcc 180  
 tcacaacgag gaagaaccaa gctctcttag tcttgaccct cctggaacgg agcctgagca 240  
 gattgacttt gcacctgcaa cgaagcagga agattctgaa gatgatggaa ggggaaaagg 300  
 cggcgcaag acaggagagg ggacagagaa aaagagcgga ggcgtgataa gcactatgag 360  
 ggaaaagaga ggaagcgaga 380

<210> 8616  
 <211> 267  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189048g06b1

<400> 8616

tgcattctgt cctactgtcg catacacaca caagtgttag ctagctaate gatcagccgg 60  
 cggccatggc ggaggagaag caccaccacc acctgttcca ccacaaggag ggcgaggact 120  
 tccagcccgc cgctgacggc ggcgtcgaca cgtacgggta ctcgaccgag acggtggtga 180  
 ccgccaccgg caacgagggg gagtacgagc ggatcaccaa ggaggagaag caccacaagc 240  
 acaaggagca cctcggcgag atggggcg 267

<210> 8617  
 <211> 305  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189048g07b1

<400> 8617

aaaccgagga aagagagaga cggacaggat atactcgctg ctctgccgcc cccttcgcct 60  
 ttagttgatc tcgcatggc tgccaccgtc gccgtggaca acctgaacct caaggtttta 120  
 aaatgtgagt atgctgtgcy tggagagatt gtcattcatg ctcagcgctt gcagcaacag 180  
 ctgcaaactc aaccaggatc tctacctttt gatgagatcc tctattgtaa cattgggaac 240  
 ccacaatctc ttggtcagca accagttaca ttcttcaggg aggttcttgc actttgtgat 300  
 catcc 305

<210> 8618  
 <211> 288  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189048g10b1

<400> 8618

tgccacgcg tccgcccacg cgtccggcca gctgtcagaa aaaataggca atctgaaatc 60  
 cctctcattc ctatcacttg ttaacaacaa tcttacaat atcacaagta cacttccgat 120  
 acttgcaaga tccaagagtc tcaccaccct tcttattggg ctcaacttca tgaatgagac 180  
 catgccagac gatgacatca ttgtcagttt tgagaatctt caggttctag caataacaga 240  
 ttgctcactg ttgggggaaag taccacattg gttatcaaag ctgacaaa 288

<210> 8619  
 <211> 75  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189048h02b1

<400> 8619

gctctctcat gtctatacgg ctatcttgaa gccggataac gaggtcagaa ttctggtcga 60  
 cggggaggag aagag 75

<210> 8620  
 <211> 352  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189048h04b1

<400> 8620

ttataatgta tatcaaaggt tatgggtgaa agaggctgca acgtgtcacc gcagcagtgc 60  
 gaggataagt tcaatgacct caacaagaga taaaaaggc ttacggatat ccttggtcgt 120  
 ggtactgctt gcaatgttgt ggataatcca gcactccttg attgcatgaa taatctgtct 180  
 gataagatga aagaagatgc aaggaagata ttgaactcta agcatttatt ctatgagatg 240  
 atgtgttcct atcataacaa caaccgtgtg aatttaccg aagatcctgc acttcagcac 300  
 tcactacagg ttgctcttag atgtaaagag gagcatgatc cgaggaggga tg 352

<210> 8621  
 <211> 408  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189048h05b1  
  
 <400> 8621  
  
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 aattagcacc catgggaata acgaggcccc aggtgtcgga accgttagta gcagtctgca 180  
 gaatgccgtg gcacaaaata actaccagag tatgctgaga agtcaagtg caaaccaggg 240  
 tttgcttcag caggaggcgt cacagaatgc cgcagcacta aacaattacc agagtatgct 300  
 tagaagctca agcgcaaacc agggtttgct tcagcaggag gcgtcccaga atgccgcagc 360  
 actaaacaat taccagaaca tgcttagaag ctcaagcgca aaccagct 408

<210> 8622  
 <211> 256  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189048h08b1  
  
 <400> 8622  
  
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 tgggcgactc cgacacacac tgccattttg ccacaaccct acagatacca taacaggacg 120  
 gataattcat tgggaccagg tggagatctt cagggtgtatc tagagaacct tgctgctgca 180  
 gatgatgttc agcgttatgt acaggagcac ccttttggtc aacctttcat tactgagagt 240  
 gatccgaatt gggatt 256

<210> 8623  
 <211> 270  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189048h09b1  
  
 <400> 8623

ctccagcacc cgatcaagca gagcctcccc tccccactgt gacgctccaa gctcgttagg 60  
 cttcgagagc gtacagggcg accgatcgat cgagcgagcg agcgagcggc tagaatggcg 120  
 gcgacaggga gcgctaagag ccgacggttc gccgcagcgt gcggcgttct cagccgctgc 180  
 atcaaggcgg cggaggcgcg gctggtggct ctccccctca tgcccggagc ggaagtgcc 240  
 gcgctgcaag acgagcacgc ggtgggtcct 270

<210> 8624  
 <211> 149  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189048h10b1

<400> 8624

tgctgccatc caaacagccc ccaaatgcgc gcgcctctca catgccagac cgctgctgag 60  
 cctggccgac atggccaccg cctcgatcgc cgcccgctcg gccttcggtg tcgccctggc 120  
 cgccttgatc gcggagcgtg ccccccggc 149

<210> 8625  
 <211> 334  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189048h11b1

<400> 8625

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 ttccgcggag ctccctttctc cggcagtaga gatggtgaaa ggcgcagtcc gctatgagcc 180  
 tggaccggcg tttcaggaga gtggagagca gggcaagctt gaaataccag catctggctc 240  
 cacagaattt tggctaatac agcggcctgt aaaccatgta aatgcttctg attttaatgg 300  
 tcaagaagtt tctcttaata agcatcatga cgat 334

<210> 8626  
 <211> 136  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189048h12b1

<400> 8626

ttcgtctgtc cgaacaatgt tcgccctccg caaaaccctg ctccacggac gccttcccg 60  
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ggggggcgag ggggtc 136

<210> 8627

<211> 136

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049a01b1

<400> 8627

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<210> 8628

<211> 205

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049a02b1

<400> 8628

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tcaaagttct ctgggttacc tgtttggaga tggtagcct gcaaagcccg ctgcagcacc 180  
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<210> 8629

<211> 302

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049a05b1

<400> 8629

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cgaggcgttt cgaggggagcg agcgagcgat ttttagtata tgcgaatggc gactcagcgg 180  
ttctccaata tggatgatgga cgagccgagt ttcttccacc agtggcagtc ggacgcgacg 240  
ctggagcagt acacggagca gcagatcgcc gtggccttcg ggcaggggga gatggaggcg 300  
gc 302

<210> 8630  
<211> 171  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049a06b1

<400> 8630  
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acaacgcat cggcgaggag gagcgccgct tcgaggtctt cagggacaac c 171

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<211> 310  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049a07b1

<400> 8631  
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cagcacgtgc agcccttcat cccggccaca cgcataccg gcatcatcgt cggcaacgag 180  
gtgctgggca acaacgacac caccatggcg gccagcctcg tgccggccat gcaggcggtc 240  
tacgacgcgc tcgccgcgct cgggctcagc ggccaggtga cggctctcgc ggcgactcgc 300  
gtgaacgtgc 310

<210> 8632  
<211> 386



<212> DNA  
 <213> *Triticum aestivum*  
 <223> Clone ID: uC-tsrow189049a08b1  
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 acttgttctt ggtgtcaacg tcaagatgat cacagggtgac caacttgcta ttggaaagga 180  
 gactggtagg aggcttggga tgggcacaaa catgtatcct tcttctgcat tgcttggcca 240  
 aagcaaggat ggttcacttg agtcacttcc tgttgatgag ctgattgaga aggctgatgg 300  
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<210> 8633  
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 <212> DNA  
 <213> *Triticum aestivum*  
 <223> unsure at all n locations  
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 gttttcagaa ctatgattgg aaagagtatc ttcctcgttt gaaggggaaa agtgctgagg 180  
 aaattcagag atatggtgag cttgtcatgg cccatcttgt agaggacaca aatgactcac 240  
 caacctatgc agatggtgtg ccgaaggaaa tgcgtgctga tgagacattg gtcaggctag 300  
 ccaaaatata acttgtggag gagaagggtg ctgccatgga gcaaggaaaa attacaaaac 360  
 tcttcccaa ctacttggtg catgaatnta ctggcttata aggtggaaga atatggaaag 420  
 gggaacatga tcta 434

<210> 8634  
 <211> 276  
 <212> DNA  
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189049a10b1

<400> 8634

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gtgccttact tgaaaggcga tacaccaagt ctgcttgatg aaactgtacc caaaattacg 120  
gagggtttta tcacttctag aattaattct gtccaggcca gctttgcgga caactcacca 180  
gaccagata atccgttaga aaatgcggaa agtctccagg atcagctgga gagtcttcct 240  
tatctttgca gattcaagta tgaaagctgt agcctc 276

<210> 8635

<211> 345

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049a12b1

<400> 8635

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caggggaatg ctcttgaccg gaatgatcat cctctacctc ttccttgga ttattgctgg 180  
atatgttggt gtccgtctct ggaggaccat caaacaatcc acagaaggct ggaaatctgt 240  
cgcttggtg acctcctgct tcttcctggt cattgttttc atcatcttga ccgtgctgaa 300  
ctccatcctg tggggtaaga agagcactgg agctttaccc atttc 345

<210> 8636

<211> 369

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049b01b1

<400> 8636

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cgccgccgac ggcgacgagg tgctcgccct cacggagtcc accttcgaga aggaggtcgg 180  
ccaggatcgt ggcgcgctcg tcgagttcta cgctccctgg tgtggccact gcaagaagct 240

3602

tgctccagaa tatgagaagc ttgctgcaag ctttaaaaaa gctaaatcag tcttgattgc 300  
caaggctgac tgcgatgagc acaagagtgt gtgcagcaag tatggagttt ctggctaccc 360  
cacaatcca 369

<210> 8637  
<211> 278  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049b02b1

<400> 8637  
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agctgctggg gtggtgggag cccgggggtga gtccctacgt gctgcgcgcc cagatggcgc 120  
tcgccgtaaa ggggctgagc tacgactacc tccccgagga ccgctgggcc acgagcgacc 180  
tcctcatcgc gtccaacccc gtgtacaaga aggtgcccgt cctcattcac aacggcaggc 240  
ccgtctgcga gtcgctgctc atcctggagt acctcgac 278

<210> 8638  
<211> 335  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049b03b1

<400> 8638  
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gctgctgctc tggcctcaag aaggctgtca ccacgtgtca caaatgagga ggtccagaag 120  
gctgccaccg ccctcaaggg ctctgatcac cgccgtgcta ccaccgttag cgctagggtg 180  
gatgcgagc aaaagaagct caaccttccg atccttccca cgaccaccat tggttcattc 240  
ccacagacag tggagctcag gagagtccgc cgtgagtaca aggcaaagaa gatctctgag 300  
gaggagtaca ccaatgccat caaggaggag attag 335

<210> 8639  
<211> 353  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049b04b1

<400> 8639

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acaattgctg gaagtttagga aggaactgga ggctgcttac cgtaccatcg ctaaccagga 180  
agagcaagct tcagtgaggg agataaagtg ggatgcgttt aagacgtatt cagcggatca 240  
actagaagct gcacaaaaac acgctgcaga gctggaagta caagtatcag ctctaaatca 300  
gcagctgcaa gaagctgaga tccattacaa gaaaaagggt gcaaaggaga gtg 353

<210> 8640

<211> 321

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189049b06b1

<400> 8640

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cgtcattagt ttgaagactg atggattatg ataactctag aagacacaat caaagtactt 120  
ccaaaaagag gactcgtttc aattctgatg atggaaagag gaaacggcta aactacaggc 180  
aggatggcgg acatatgtcc tctcagccaa tagaaaccgt ttacaggata ttgtgccag 240  
gaaaaaagat cggcggtgtc ttggggagag gtggccatgt tgctaaggcc cttagagacg 300  
agactaaagc aaagatacgg g 321

<210> 8641

<211> 275

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189049b07b1

<400> 8641

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ttgactgtcc ctagttcccc ttcacacact gtcaatggtg gctcagttaa ggtagtgcag 120  
atgacaccag tgacttctgc catgacaact gctaagtggc ttcgtggggg gatattctcg 180

ctgccagaga agccttcgtc taaacttgag aaatttcttt cgtcttgga tacagatttg 240  
acaagtgatg taacaaaaag gggcagcata atttt 275

<210> 8642  
<211> 458  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189049b08b1  
  
<400> 8642

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cagcgatcgt agaagtcccg gtcggcgctg gagcactgcc gatgtgcata ccaagcttga 180  
tgcccaggaa aagatgctag ctgatgtgcc atcggcttca ccaggatttg tagattgcca 240  
gatctgatct gattcagcga gaattctgag ctaccaaagc tgcttcgact caaagctcta 300  
ccactgcctt atcttgact ttaagaagac tcgatcgtca cggaaagagc agacagaggt 360  
atcaaattcc atgctagctc ctcatgttct tgagcgcaag aatgagtct tccgagtcgg 420  
aggacatcca agaactgatc aacagtggcc tcaagtgc 458

<210> 8643  
<211> 265  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189049b09b1  
  
<400> 8643

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cgaccgacga acggcagaga aaagtgaggt gatcatgagc accatggcga tgcggcgct 120  
gaaccggac gcgcccattg tcatcccgcc ggcgttcaag aaggtggagg actactcgcc 180  
cgagtgggtg gagctggcca agaccaccgc ctggttccgc gaccactggt tccgccagca 240  
ccagctctac gaggacctcg ccgac 265

<210> 8644  
<211> 344  
<212> DNA

<213>       Triticum aestivum

<223>       Clone ID: uC-tsrow189049b10b1

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cagcaacctg tcctccatgc acagttgact gaccaagctc tgagctagca tggccatgga   180

ggcggctctt gtcagcgtgg cgacgggggt cctcaaaccg gtcataggaa agctgaccac   240

tctgctcggc aatgagtaca agcgtttcaa gacagttcgc aaggagctca agtccctcac   300

tcatgaactt gctgccatgg aggcttttct cctcaagatg tctg                   344

<210>       8645

<211>       358

<212>       DNA

<213>       Triticum aestivum

<223>       Clone ID: uC-tsrow189049b11b1

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tctcactctt tggtcagcca cagttgatgg cgaaaagttc ctaattgcct ttggcgggta   180

caacgggaag tacaacaatg agatctttgt gatgaaaccg aagccaagaa actttgtgca   240

acctcgtctt ttccaatctc cagcagctgc tgctgctgca gcttctgtga aagctgccta   300

tgctgtaata actgctactg atgagaaaac taaagatatt gttgctactg atgatttg   358

<210>       8646

<211>       347

<212>       DNA

<213>       Triticum aestivum

<223>       Clone ID: uC-tsrow189049c01b1

<400>       8646

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gttcactcc ctcgccatgg gcaagattaa gatcggaatc aacggtttcg gaaggatcgg   120

gaggctcgtc gccagggctc ccctccagag cgacgatgtc gagctcgtc ccgtaacga 180  
 cccctttatc accaccgagt acatgacctt catgttcaag tacgacaccg ttcacggcca 240  
 ctggaagcac agtgacatca agctcaagga cgacaagacg ctgctctttg gcgagaagcc 300  
 agttaccgtc ttcggcgtca ggaaccctga ggagatcccc tgggggtg 347

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 <213> Triticum aestivum  
 <223> unsure at all n locations  
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 gccaccagc ccgcccctna ccaccccccc c 91

<210> 8648  
 <211> 219  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189049c04b1

<400> 8648  
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 cccgtccgcc agcccaacca gcaccccgac gacacacga ccaacagatc aaccgcccc 180  
 aacagggcac gccgtcctcg gcttcaaggc caagcaggg 219

<210> 8649  
 <211> 342  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189049c05b1

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gtcgtcctga aggccctcta cgacggagac gtcctcgagg aagagactat tgtgcagtgg 180  
tacaatgagg ctgttgctgc cggcaaggac tcccagatcg tgaagaatgc caagcccgtc 240  
gtggagtggc tccagagcgc tgagtctgac gaggagttag accctgtact gcttgctccc 300  
attccgcact tactttttac caccgctact tgcttaagtg tc 342

<210> 8650  
<211> 301  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049c06b1

<400> 8650

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acgtctcaaa cttccttgct caggccggca ttgtgaagaa ggaacacatc aagattcatg 180  
gtttctgagc aactgccagc tccatattcag agtctacatg caaagcagct atatattggt 240  
gggtgcagtat atttagttgt gtgctagcgc tagcaggcgt taccagcttg cgcgctctga 300  
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<211> 338  
<212> DNA  
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<223> Clone ID: uC-tsrow189049c07b1

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gcagttgctt attacgggta aattggagta aaaacgaaca aaaacaagga tccctcagca 180  
ggagctggca cactcccgtc cgtgagcaag tctcgggcga acagctgaaa acccaaaaaa 240  
tttaacttgt acagggcggt ggtgacacct cgccatcaag cattctcgtt ggcgatcttc 300  
tccgccttgg cgatgacttc gtcgatgcct ccaaccat 338



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<223> Clone ID: uC-tsrow189049c08b1

<400> 8652

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tatggacaag aaaaataata ttcgtaacat gtctgttatt gctcatgtcg accacggcaa 180
gtctacgctt acggattccc ttgtggcagc tgctgggatt atcgcccagg aagttgctgg 240
ggatgttcgc atgactgata cccgtgcaga tgaggcagag cgtggtatta caatcaaadc 300
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cagggatgga gatgaatacc tgatcaacct tattgattca cctggccacg ttgacttttc 420
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 <212> DNA  
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<223> Clone ID: uC-tsrow189049c09b1

<400> 8653

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caagaccacc aaacgacaga gcaagaagcc ggtttactac ctggtggcca ccctctcccg 240
ccacacggcg gcggtgaacg ccgtggccgt cgggtgcggg gggcaggtgc tgtactccgg 300
cggcaacgat cgctgcgtgg tggcgtggga gcgggaggac agcgcgagcc acatggctgc 360
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 <212> DNA  
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<223> Clone ID: uC-tsrow189049c10b1

<400> 8654

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gttgctggga gtacagacag cagcccgcca tcgtccgcat caccaggccc acccgccccg 180  
acagggcacg ccgtctcggc ttcaaggcca agcaggggta tgtggtctac cgtatccgtg 240  
tgagacgtgg tggcaggaag cgcccagtgc ccaagggtat tgtttatggc aagcccaagc 300  
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ct 362

<210> 8655

<211> 343

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049c11b1

<400> 8655

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agaaggcgga aaacatcaca gtttgcgaaa tcgtggagcg gtagagagag atggccgaga 180  
cgggtgttcgc tccgtgtttg gaagggatga agcatgtcag gtcggacagc ggggtcatgc 240  
tcgccaagcc cttccttgat gtctgcaagc aaatcttgcc tgtcctggat aaatttggtg 300  
ctgctatggc aattgtgaag agtgatattg gaggtaatat cac 343

<210> 8656

<211> 385

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049c12b1

<400> 8656

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ggagctatga cgaagatgac cagccagcca tatggtcctt gatgtcatcg gggagattgt 120

atacatgatt gatctgatca taacaagttg ggtgcctaata tcttggtccaa gctctaagag 180  
gcttctgtct gtgttggtac atgtaacatg ttgtcgggta accaagagaa ttacttcaat 240  
tgccctttttc acagagggcg gaatgctgac ttgacccaaaa tgtagcaaaa cataacaagc 300  
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<211> 329  
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<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d01b1

<400> 8657

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gccacaaagc ctagggcagc tcattaccct gcaagacatt tccatcatca attgtcccaa 180  
cctgacaact ctgcctgaaa gcatgaaggc ccttacttct ttaacagagc tttggataga 240  
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<210> 8658  
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<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d02b1

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cgaatatgtt gcatgccagg gatcaaaaaa aggagttttg atattgagtg agtttgccgg 180  
tgagacacaa tcgcttggtg ctggtgccat tcttgtaaat ccctggaata ttacagaagt 240  
tgagactca ataaaacatg ctttaacaat gacatctgat gagagagaga agcggcacag 300  
gcataactac gcgcatgtaa caac 324

<210> 8659  
 <211> 249  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189049d03b1  
  
 <400> 8659  
  
 ttatggagga ggaagcagtc ggacgtgatg aggttcgtgc agcgcgtgcg ttgctgggag 60  
 tacaggcagc agccggccat cgtgcgcac accaggccca cccgccccga cagggtctgc 120  
 cgtctcggct tcaaggccaa gcaggggtat gtggtctacc gtatccgtgt caggcgtggt 180  
 ggcaggaaga ggccagcgcc caaggggtatt gtctatggta agcccaagca ccaggggtatt 240  
 acccagctc 249

<210> 8660  
 <211> 383  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189049d04b1  
  
 <400> 8660  
  
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 ggcaagatta agatcggaat caacggtttc ggaaggatcg ggaggctcgt cgccagggtta 120  
 gccctccaga gcgacgatgt cgagctcgtc gccgtcaacg accccttcat caccaccgag 180  
 tacatgacct acatgttcaa gtacgacacc gttcacggcc actggaagca cagtgcacac 240  
 aagctcaagg acgacaagac tctgctcttt ggcgagaagc cagttaccgt cttcggcgtc 300  
 aggaaccctg aggagatccc gcgggggtgag gctggtgccg attacgttgt ggagtccacc 360  
 ggtgtcttca ctgacaagga caa 383

<210> 8661  
 <211> 391  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189049d05b1  
  
 <400> 8661

ttcttgctga aggatgaatt tcttgatggt cgactcaaca taatcagcaa gcttgatcaa 60  
 gttaatcagg tcattggaat tgacttgctg tcgcaatctc tattgccggc tattgtagaa 120  
 cttgccggagg ataggcactg gaggggttcgc cttgcaataa ttgagtacat ccctctgctg 180  
 gctagtcaagt taggtgttgg gttttttgat gacaagctgg gggcactttg catgcaatgg 240  
 ttggaagata aggttttctc gatcagagaa gctgccgcaa acaacttgaa gcgcctggcg 300  
 gaggagtttg gtccagagtg ggcaatgcaa catataattc ctcaggtgtt ggagaagata 360  
 aacaaccac attatctgta tcgcatgacc a 391

<210> 8662  
 <211> 395  
 <212> DNA  
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189049d06b1

<400> 8662

tcataggcga agcacgcgcg gcaccgcgcc accggggagc tcttcgccgt gaagatcctg 60  
 gaccgcggca ggggtgctctc tctccgcggc gccgacgacc aggtccgcag ggagatcgcc 120  
 acgctcacca tgctcgcgca ccccaacgtc gtccgcctcc acgaggttgc tgctagcaaa 180  
 acaaagatct atatggtgct tgagcttgct gatggaggcg aactttttga caggattgca 240  
 ataaagagaa aactatctga acgagaagga aggaggcttt ttcagcagct aattgatggt 300  
 gtcagctatt gtcatggaaa ggggtgtctac cacagggacc tcatgcctga aaacgttctt 360  
 atcgaccgga aaggcaacat caagatctct gattt 395

<210> 8663  
 <211> 361  
 <212> DNA  
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189049d07b1

<400> 8663

tccacgcgtc cggagccacc taagttgcac tcccacctaa ctgatattca attaggttgc 60  
 agtgatatac catctagatt tctcatatt gagccttcta tgagtgaggg tggcccatca 120  
 ctggcaccat ggaaggattt caagaataaa acaggttatg gtggggattt tcctggaagc 180

acatctgaca agtgggagaa agctgatgtt ggactgggtcc caccatatat gccaaatcct 240  
 tttatgatgg aaagtattgg tgcactacct ataaacatac caaacagtag ttcgatccag 300  
 cagaatgaat ttgcatcaag ttctcatgag aacattcttc ttcatttgtt cacagatggg 360  
 c 361

<210> 8664  
 <211> 343  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d08b1

<400> 8664

ttcacgcgtc cgcccacgcg tccggcctgc gggtttttat aatgtggaca ttcctatgga 60  
 ttcaactaag gatgtgaaga aaaaggaaaa agaactccaa gcgatggaag ccgagctaaa 120  
 caaaagagaa aaggaactga aaaggaagga agaggctgcg tcgagagctg gcattgtcat 180  
 agaagacaaa aactggccac cctttttccc tctcattcat cacaatattt caaatgagat 240  
 acccatccat ctacaaaaaa tgcagtacct tgcattttca tcatttttgg gaattgctct 300  
 ctgcctcttc tttaatatca tagcgactac aactgcatgg att 343

<210> 8665  
 <211> 302  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d09b1

<400> 8665

tccacgcgtc cgcccacgcg tccggcacgg cccatccgtc gagatgaacc acgtgaagtc 60  
 ggctcttctg tgaggccacc gcgcgacccg gctcgcgcg gcggcgccgc agcagctggc 120  
 ggccaccgcg tcgttccact ccacgcctcc cctgcagcgg aagcgcaaga cccagtggcg 180  
 gcacaggttc aatctttatg caaaacgcat gagaaataga gacacaaaat gaacaatgat 240  
 acggaatatg cctgagtatg cggagcagct cttcaatagt tggcgtgatg aagatgagaa 300  
 aa 302

3614

<210> 8666  
 <211> 329  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189049d10b1  
  
 <400> 8666  
  
 tgacggacga gggg'gcgctg gatggcttca gcggcggcga cggttctcag ggcattgcgag 60  
 agctagcgca ggcgatacgg cgcccttggtg aggcctacga ggcgctggag acagcgaagc 120  
 tggagcaggc cgccgagatg gagcgccagc gtctggactt cgcacgggag cttgagtcgc 180  
 aacgcgtgca gttcttcttc aatacgcaga aggagctctc acagggcaag agccacatct 240  
 ctcccgtgca ggctgcctcc cactcccagg taggtgccgc cactgttggt ggctcatcta 300  
 ggaggatggc gtccgtacca gattccaca 329

<210> 8667  
 <211> 389  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189049d11b1  
  
 <400> 8667  
  
 tctcaatgcg aggtgcaaga gagcatgtgt tgttctatgt ctatcctgtt aaatcctata 60  
 ggggaacgac attgtaagct tggttagttt gatgtcctac ggagaagcaa aattgggcgt 120  
 gccaccgcc agaagattca tctttgtact ctcttctcca tttatcagtg caacgagagg 180  
 cagagttagt catggtgatg atcatattgt attcttatga tgcttgcaga ctgggagtgt 240  
 atttatactt catgcttatg agttatgatg aatcatttct atggcattac atacagtcag 300  
 tgggaaaagg tcattagggg ctagcatgtt tcactattgt gattacaaac taaaacttgt 360  
 gcaagtatga taaatgggtg cattgatct 389

<210> 8668  
 <211> 361  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189049d12b1  
  
 <400> 8668

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 cgccttcttc ttcgaggccg agccggtggg cgagcccggc atgccggcgc tagacgcgtg 120  
 cgcgctctgt gccaaagcggc tgggtgcgcga cagcgacgtc ttcatgtaca gaggggacac 180  
 gcccttctgc agcgaggagt gccgccacga gcagatgcag ctcgacgccg tctccgccag 240  
 gcaggccgcc cggaggctgc agcggttctc ggcgggagca gagtccgggc gtgcacgcca 300  
 tggggtgtcc gtctcgagct aaccggcgag agtgccaagc gacatacagt acgtgcctga 360  
 c 361

<210> 8669  
 <211> 363  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e01b1

<400> 8669

tggagcttta gcggcagctc gcgcggccgt cgatttggac gacaccggcg accaggacct 60  
 caccggcagc agcgcattct atccaagttt gcagatttcc cctacaaagg ccgaggtggg 120  
 aactctgct ccatcatcac aaccctgtgg atcaattgcc accagtcttt gggttgcaaa 180  
 atctggacag agccttctga agtttgacag tcacatcttc tcaactgtac attgccgtgc 240  
 aagatgcaa aaataaagaa cctgtctgat gcatgtaaag tatcattttc tccagatgga 300  
 cctatatctg aagaagcact cgagagagtt cgtgcactgt tagatgagat cagaccttta 360  
 gat 363

<210> 8670  
 <211> 306  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e02b1

<400> 8670

ttcacgcgtc cggaaatggg gaggcgtcag gcgcgccactc acacgcacgg cctccgttgt 60  
 cttaatctcg agattaaacc ggaaagcaaa ctctaataaa tccccaccc ccgcatcgac 120  
 aaagcttccc attcctccgc atcggcaggc agcagcaaaa caacagccca atcgagggtc 180



actccacacc accaccactc tcttccccca atccccctct cctccccgaa accctagctg 240  
 gaatggagcc caaatccacc acccctccgc cgccggggccc cgtgctgggc gcgcccgtcg 300  
 gctacc 306

<210> 8671  
 <211> 262  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e03b1

<400> 8671

tcacgcgtgc gctctggttt cctactgctg gtgatactca ccggactccc cgccgtcgtc 60  
 ctcgccgcca acatgaccga ggtctgcgtc aaggccgccg tcggccaccc cgacacgctc 120  
 ggcgactgcc ctttctccca gaggggtgctg ctcacgctgg aggagaagaa ggtgccttac 180  
 cagatgaagc tcatcgacgt cagcaacaag cccgactggc tcctgaagat caatccggag 240  
 ggcaaggtgc ctgtgtataa cg 262

<210> 8672  
 <211> 309  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e04b1

<400> 8672

tccgcgcgcg gacgggtgcg cttgccgggc agaggaagtc gagagggccc acgatgggga 60  
 catcgggcgcg ctgcgcgcgc aggaggggag tggcctagaa ggcacaacca tcgacgggtg 120  
 cagcgcagcc ggctgcggaa acgcgcaagg cgcagtcagc acgagacggc gggaggcggc 180  
 gagcagcggg gaaaatcgat gctcgtagag aggcggagcg gcatagaagc ggcaagccgg 240  
 cttgtggagt ggcgatgaag gcggcctgcg agctacggcg ggttgggcca aggcgaggtt 300  
 cagcaacgc 309

<210> 8673  
 <211> 346  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e05b1

<400> 8673

taacactcag tctgatccac cgccgccggc gctagcttgc accaacatcc acgtcacttc 60  
agttcgtaaa tcatagaatg cctagcgatg atgtgccacc atggcgacat tggagacatg 120  
cattgactac cagagacaag gacctactcg acacatcctc tggccctctg ttcattgctgc 180  
caaggagaga ggagttgctt ggtccaactt gtttcggcct cagatctgct acggaaaact 240  
tgttgagacc ctgttgcca acggacttgt gtcggcctgc agaagtttgg tggaacgaaa 300  
atgtacacct aaatgacagt gttgttcaag ttttcttttt ggcagg 346

<210> 8674

<211> 395

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e06b1

<400> 8674

ttgtccctc cgccgccgca ccacggggcc tgctcctccg ccgccgggta ctactacaac 60  
caccaccacc cgccgcccc gcacgcgtac cacggcccgt ggcaccccg gcaccagccg 120  
ccgccgtcgc agatgcccgc gctcaccggc cccccgccg agttcgtcgg ccaccagcag 180  
gcgctcaagg tgaagaacga catcaacctg cgcaaggaca ccatccgcct cgtgcccgcac 240  
gccgccgacc ctgaccgccg cctcgtctcc ttcaccttcg acgcggtcac cgacggcagt 300  
ttagttatac attactttgc caaggaagga aaagactgca atttttcttc agtgtacca 360  
gacttgaga caccaacaaa gatacctttc cagaa 395

<210> 8675

<211> 395

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e07b1

<400> 8675

gttgccctct ctctttatc ccgtctttgg ccccgccctc gccaaactccc gacgctccgc 60  
cgagtggaga accaggaagg aggaggggacg tgaagtggag aagagggggg gcgctggaga 120

aggagccaag cctgcaggag agcacggagt gccggcgcg cgtgcccgcc gcagctgctc 180  
 gtggagatcc ggcattgtgt gcaccatgga ggcgctcgtg gagggtttga tgtcgaggag 240  
 gttcggttcc tacaccaatg gttacagcgg gctctgctgc agggagtgga agtttttagaa 300  
 tgctgcggac aggttgagag caatagatgt tttttaagtc ctaggacaat ttgattttgg 360  
 gaggacaaag gtcaggcaag gatgagaatg ggata 395

<210> 8676  
 <211> 270  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e08b1

<400> 8676

tttcacgcgt ccgcccacgc gtccgcttaa atcagctgat ggaagaaggc atcaaagaag 60  
 ccgagtcgag caagaaagca gcagcagccg agagcacagc gaccaaagtg ggcgtcatgg 120  
 ccgactcgac gttcgggagc atcggcgacg tgctcaaact gctgccgacg tcgacgggtga 180  
 tcgtgtacga ggtgtcaac ccgatcgtga ccaacgccgg cgcgtgcagc gtggccaaca 240  
 ggggtggcac cgcggcgctc ctcgtgctct 270

<210> 8677  
 <211> 345  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e09b1

<400> 8677

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 atcttccgat cgtttggctg ccatggcgcc gtgacctcgc cgtgcttcag cgatggcccc 120  
 gcgctggacc tctgatgacc agacaagacg gaccgaccgc accgtgactc cgacagccac 180  
 tccgtggtgg taatcagtgg agtgccgcca ccgtcgatca aaatctttga cctcccgcat 240  
 ccaccgccag ttctgtctcc ctgcaagcaa atctcagccg ccattgctca gcttctgagc 300  
 agcggagcgg atccgagatg gagcccatcc ctctgctcac gccgt 345

<210> 8678  
 <211> 422  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189049e10b1  
  
 <400> 8678  
  
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 tgctgcagtt attcagatat tcagagttcc ctacatactt gctgcagttt cagaaaaatg 120  
 cttaatgtca gagttgattc tctgctcgct gctctgtgtc atctgcacag attagttaca 180  
 tgcttgtagg acaacacatg gaaattttaca tctggcttgt ctgtactaac cattgaaaac 240  
 aagcaacacc tgaaacaaat atgcaatttt actatgcata tgctcatctc gttatattca 300  
 gagttcaata tatacttget gcagatacag aaagtgcctc atggttagagt tcagtatatg 360  
 tatcatctgc acaaattggc ttcctattca gattatatgc atctgctagg ctttattatg 420  
 ta 422

<210> 8679  
 <211> 238  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189049e11b1  
  
 <400> 8679  
  
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 acgcgaagca gcagcaggcc ggcgcgccca ccggcgtctg gaagacgatc aagccattcg 120  
 tcaatggcgg tgcctccggg atgctcgcca cctgcgtcat ccagcccatc gacatgatca 180  
 aggtgaagat ccagttgggt gagggatctg cagctcaggt cgcaaagacc atgtatgc 238

<210> 8680  
 <211> 302  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189049e12b1  
  
 <400> 8680  
  
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gcattgggag ggagctcacg ggggcaagcg gcggcaggcg gagcgggagc gggagctctc 120  
 cggcgcccat gccgcgaccc ggggcgtgat cccgccgggg attgctggcc cgggagggcc 180  
 gcggcgatga acggcgcgag cggcggtctc ggctccggcg gcgagggggc gctggtgtac 240  
 caggcctgga aagggaacaa tgtgtttttc ctccagggga ggtttatatt tggacctgat 300  
 gc 302

<210> 8681  
 <211> 279  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189049f01b1

<400> 8681

taaaccgatg cctttatggt tgctagaggt gatcttgaa tggagattcc agtcgagaag 60  
 atattccttg cacagaaaat gatgatctac aagtgaacc ttgctgggaa gcctgtggtc 120  
 acagcgacac agatgctcga gtccatgac aagtcccca ggccaacccg cgctgaggct 180  
 actgatgttg caaatgctgt gctcgatgga actgattgcg tcatgctcag tggcgaaagc 240  
 gctgctggag cataccctga ggtggctgtg aagatcatg 279

<210> 8682  
 <211> 349  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189049f02b1

<400> 8682

ttgtagcacc aaaaaatggt gtcgccaagg ctgggaacaa caatcaggac ttcttttctg 60  
 gtaacttcgg ttttggttcg ccgggcaagc cagcaaatgg ggccacaacc gcaggtgcta 120  
 acaagagcgc atccaccctt acctcttcta cctgcccctc tcaatcaggc aaagagtacg 180  
 atttttcttc attaacgcaa ggaatgttct cgaagcgatg agtggcttgc aatacttgga 240  
 aatggatgag gcctccattg ggcgagatt tagggagaag ctggggggaa gcttgtacac 300  
 tgttttaccg aggcagctct gccaatgtg gatacatagt tacatcacc 349

<210> 8683  
 <211> 361  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189049f04b1  
  
 <400> 8683  
  
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 gactcacgcg cggcgggcggc ggcgggcgcg agcgaggggtt ttgcctgctg cccccccgac 120  
 gcggcgggcg cgggagtagc cgtcggatcc ggagggaggg gctgcagcg ccatgagggg 180  
 cggcgggccg ggaggagggg gaggcggggg cggcgggagg gggcagcggg aacagcaggc 240  
 ccgcggcgcg gcggcgggcg tggcggggga cggggcgagg atcccgcgcg cctcgcggaa 300  
 gctcgtgcag gggctcaagg ggatcctcgc cgaccgcacc gaggccgaga tctacgccac 360  
 g 361

<210> 8684  
 <211> 419  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189049f05b1  
  
 <400> 8684  
  
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 ctagccacca tcagcgcgct ccctccctcg atcctcatgt ccgattccga agcatccccg 120  
 acgcccgcgg ttgcggctgc ggcggtggag gtggcgggcg gcgagaactc cccgactccg 180  
 gcgaggagtg aggagctgct gccggtggcg gagaagatct cggaactaaa tgaatcacag 240  
 tcagagctcc cgggaagact tcgaggcctt aaggaggatt tgcagagctg gagaagcaat 300  
 ttagacaccc aagtgcagaa atacaaaact gaaatctccg atatcaaac tgcacttaat 360  
 agtgaaatag accagctgaa atcagatttc caagaactga ggaccaccct taagaagca 419

<210> 8685  
 <211> 474  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189049f06b1

<400> 8685

ttcaagcaca cgcaacacgc atcccccata gccggaacga gtcctcgcttc tccttggtcc 60

cgcggcggcg gaacacatcg agatggccaa gtacgtggag atgctggaca tgggcgtgcg 120

catcgccgcc aggttcact cccactgccc gcagacggcg cgcatgtact acaagccgcc 180

gcagtccgcc tccacgtcgg gcgccgccga ggccgccacg acggatcgga cgaaggcggc 240

cggctttgac ggcggcgagg acgtggctgc tggcttcgg cccttcgccg cctcgggagc 300

tctcggcgcc ggcggtccagc cgcggttcgg cttcgacacc gcgcaggtcg tcatctacga 360

ggtcgtatga ggctgggaac aacgagggcg ggctcttctg ggaagagatc tctcggatga 420

ggatagttct gcgaccgagg aattggtcga ttataacacc attctttaat tagt 474

<210> 8686

<211> 289

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189049f07b1

<400> 8686

tttacgcgtt cgacacccca gaaatctcac ccgcctccac ccagaaggaa aatcgcgaga 60

gatatttcgt cccggacgcg tccgccccga cgacagacga acagcagaga aaagtgaggt 120

gatcatgagc accatggcga tgtctgcgct gaaccggac gcgcccattg tcatccccgc 180

ggcgttcaag aaggtggagg actactcgcc cgagtgggtg gagctgggtc aaaccaccgc 240

ctggttcgc gaccactggt tccgccagca ccagctctac gaggacctc 289

<210> 8687

<211> 196

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189049f08b1

<400> 8687

tgatcgatta ttagcgcatt taccggtgct agattactgt aaataagccc gcgagggatc 60

gagctagcac cgттаaattag cttcattgtg gtgtgatctg tatagttgta gattaatcag 120

cagtgtggtg atttgggggt gtaattagca ttattgtatt gggatccatc gacatactag 180

tatatttcat tatcaa

196

<210> 8688  
<211> 365  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049f09b1

<400> 8688

tatcagctct cttttcttct tcttctctcc caactcctcc gccctctcga cctcatcgcc 60  
caccacccac gcaagcgctt ggatcgccgc cgggtcccgac catggatccc tacaagcacc 120  
ggccgacgag cggggccaac tccggctact ggaccaccaa ctccggcgcg cccgtctgga 180  
acaacaacaa cgccctcacc gtcgggcagc gaggacctat cctccttgag gattaccatc 240  
tgattgaaaa gcttgcgagc ttgtaccggg agcgtatccc tgaacgtgtt gttcatgcac 300  
ggtgagccag tgcaaagggg ttctttgagg tgactcatga tgtttctcag ctacatgtg 360  
ctgac 365

<210> 8689  
<211> 399  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049f10b1

<400> 8689

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tgcccgtcga ggaggctccg gcgcccggcg cgggtggaggc tgtcgagacg gccgcggtgg 180  
cgggtggaggc tgtcgagccg gccgtcgtcg ttgtcgagga gactacggtg gcagcggtgg 240  
agattgtcga gccggctgtc gccacagtcg aggtggcagc ggtggaggct gtcgagccgg 300  
ccgttgtcgc tccccaggag gccgtgaagg aggaagctgc tgcaccggcc gtgaccgagc 360  
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<211> 405



<212> DNA  
 <213> Triticum aestivum  
  
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 ctaagactat cgttgaacca cttcctgggt tcaagcctgt gagacacatg gtcttctctg 240  
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 catgtaatga tgccagtgtg tctgttataa aagagacaag cactgcactt ggcatgggct 360  
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acagctatag ctccctgcat ctcttgcggt tcattctcatg gttgctgctt gattctgcta 180  
catagcagct acacaagatc ttctagtggg agatcaccgg aaacaaaaag gtttcttaca 240  
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<210> 8693  
<211> 347  
<212> DNA  
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<223> Clone ID: uC-tsrow189049g02b1

<400> 8693

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acacaggaat ggacgtgtgt gttaaaatca ttaagaacaa caaagatttt ttcgaccaga 180  
gccttgatga gatcaagctt ctgaaatatg taaacaagca tgaccctgcg gacaagtacc 240  
accttctgcg tctatatgat tactttctact atcgggaaca tttgttgata gtttgtgaac 300  
ttctgaaggc aaatttgtat gaatttcaaa agtttaacag agaatca 347

<210> 8694  
<211> 275  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049g03b1

<400> 8694

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actcacgttt gggccgcttc tactccggtc cagctgcctg cctcatccag cgccccctg 180  
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<210> 8695  
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<212> DNA  
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 gcttgctgtg gtggtactca tggctctgtc tccggcgcct cgtgttctcg cactgaccc 180  
 caccagctc caagacttct gcgttgctga tataatgaac cctgtgattg tgaatgggtt 240  
 cgtgtgcaag aacatgaaga tggtagcggc gaacgacttc ttcttgcccg ggcttaacaa 300  
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 gcaagctccg cggcttcacg gccgagaaga actgcgcgcc cttatgctc cgcctcgcgt 180  
 ggactcggc cgggaccttc gacgtggcca ccaagaccgg cgggcccttc ggcaccatga 240  
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 <211> 324  
 <212> DNA  
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 cgctgggaca gctctgtacc ccgcgcaccg atgcaaaaac atatacctgg tgaggcatgc 240  
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<210> 8698  
 <211> 321  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189049g09b1

<400> 8698

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 ggttttagcgc cgattcgccg ggggggaaaa tcgaaaaaaa aggaggagga atcgcgatgg 180  
 cagcgcaggt ggcggtggcg aacggcgggc gcgcggctcc ggcggtgccg gcggcgggcg 240  
 tggtccccgc gcccggtggc gcggcgggcg gaggggtcac gcagccgctc ccgaccacgt 300  
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<210> 8699  
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 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189049g10b1

<400> 8699

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 cagccgctc gccaaagacc tctccgaccg cgaggaggtg cacctctctg gcggcgcttc 240  
 caacaccctc ccctccgagg agggggcgca catcgtgtcc ctcaagaact acatgaacgc 300  
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caccg

365

<210> 8700  
<211> 341  
<212> DNA  
<213> Triticum aestivum  
  
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<400> 8700

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atgcttcacc cttccattat ggaagtttgc gtgcgtgcta tttccctatg ggggatgcgc 180  
gctcaacatt cgtgaattca gcagatttgc ttccattctc gcagacacca ggtgtgtata 240  
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ggcttgagat cactaagctt agtgattttc agcgtatggg c 341

<210> 8701  
<211> 268  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189049h01b1  
  
<400> 8701

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tggaagaagag cggcgccacc gtgcaggcca ccgccgtcgt cctcggcgtc gggcctgcga 180  
aggtgcagtt cgaggaggcc gccgagtcg gtgaggccga ccacggctgt agctgtggcg 240  
ccagctgcaa gtgcgaccct tgcaactg 268

<210> 8702  
<211> 414  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189049h02b1  
  
<400> 8702

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tcgccgtgct cctggcgctc ctggcgtcgg cggagtcgtg gctgtacgag gagttcacca 180  
cggacggcaa cgtgcgcgcc gactacaacg cgcaggggca gcaggtggcg tcgctcgtcc 240  
tcaccagca gtccggcggc ggcgccttcg gctcccggca aaagtacctc tacggccagt 300  
tcagcatcca gatgaagctc gtccccggca actccgccgg caccgtcacc tccttctacc 360  
tgctcgtcggg cgacggcccc gggcacgacg agatcgacat ggagttcatg ggca 414

<210> 8703  
<211> 283  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h03b1

<400> 8703

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accagcccca atgacaagaa ggggtgctggc ggcggcggcg gcgccggcag gagccggtcc 180  
gcggccacgg tgcggcggct caagatgtac aaactaaggc ccatgaggga ccgcggtggg 240  
aagatcgtca agcacgacct ccagtcgaag gagtcccca aca 283

<210> 8704  
<211> 402  
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<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h04b1

<400> 8704

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aggcccagg ggagttgccc actttgaacg attgggagaa ccatctaaca acaatttttc 180  
ccgagggttag gctgaagaga tacatggaga tgagaggtgc tgatggtgga ccttgaggga 240  
gattgtgtgc tttgcctgca ttttgggttg gtttggtgta tgacgacgaa tcactacaga 300

gcattattga catgactgct gactggacaa aggaagaaag agagatgttg agacggaagg 360  
tcccagtaac tggtttgaag acaccattcc gggatgggta tg 402

<210> 8705  
<211> 302  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h05b1

<400> 8705

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cagcacagtg aggaggccgt ggaggacctt cgtggtcgcg gcttcaacga cacacagtgg 180  
catggcggca tggagggtact gcgctgcggc tgaggccaca tcggtgcagg gcaataagcc 240  
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ca 302

<210> 8706  
<211> 358  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h06b1

<400> 8706

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cgacgagtgc ttggacggcg gcaggaccat gtactccaac accaccgacg actgctacga 180  
cgctggcaag cacggccacg ggcacgggca cggacatggc catggcgggg caaacatgta 240  
cgctaacacc actgacgtgg agtgtttcca ggactccggc aggcacggct acggtggtgg 300  
cggcaggacc atgtactcca acaccgtcga cgaggagtgc ttcgactccg gcaggcac 358

<210> 8707  
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<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h07b1

<400> 8707

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ctatggtaag tcgacgacca ctgggcacct gatctacaag cttggcggca ttgacaagcg 180  
tgtcatcaag aggttcgaga aggaagccgc tgaaatgaac aagaggtgtt tcaagtacgc 240  
ctgggtgctt gacaagctca aggcctagcg tgagagaggt 280

<210> 8708

<211> 313

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h08b1

<400> 8708

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cttcaatgtg gcgccgattc tttatctggg gataggttgg gttgcttcaa tctttcgatc 180  
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ggcggtggtg gctataccat aagaaatgtc gcacgatgtt ggtgttatga gacaggagtt 300  
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<210> 8709

<211> 322

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h09b1

<400> 8709

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gcgacgccct ctacacctac attctcgaca ccaccgtctt cccccgtgag cacgagtgcg 180  
tgcgcgacct gcgcctcatc accgacaagc acccatgggg ctacatgcag tcgtcgtcgg 240



acgaggcaca gctgctgggg atgctgatca agatggcggg cgccaagaag acgatcgagg 300  
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 <211> 238  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h10b1

<400> 8710

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 gcgacccgca agcctgccgc aagggcgacg cctgcgagta cgcgcacggc gtcttcgagt 180  
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<210> 8711  
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 <212> DNA  
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<223> Clone ID: uC-tsrow189049h11b1

<400> 8711

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 gccgcgatct cgcgcaggag cggagatggg gctcacgttc acgaagctgt tcagccgggt 180  
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<210> 8712  
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 <212> DNA  
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<223> Clone ID: uC-tsrow189049h12b1

<400> 8712

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 tcaactgttg tgcacgatt cagtaccgac ctctggctgg caaagaaagt gacgcatact 360  
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<210> 8713  
 <211> 434  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a02b1

<400> 8713

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 agaaggccgt ggaagggctg aggacggtga tgtacctcag ctgctggggg cccaattaga 360  
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 ccacgatgta aaaa 434

<210> 8714  
 <211> 483  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a03b1

<400> 8714

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tctttctggt gcgggccttc aatgcgtcgt cctggtggct gctgatatcc atccgccctc 180  
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 ttcagctcct gcaacctctc agccgtctcg aggaaggata cttgagaagc caggctgctg 360  
 cgggttttttt tttcttcaac aagtttcagg gatctgtttg agactgaaca gacccttgac 420  
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<210> 8715  
 <211> 299  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a04b1

<400> 8715

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 acgccgtccc ccgagcccg c aacgccgacc ccggcctctt atccccctcc caggcggtcc 240  
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<210> 8716  
 <211> 355  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a05b1

<400> 8716

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 accactgccc aagagcaggc tgtcgccaat gctatcccaa atcctttcca agacaccagg 240  
 ataaatcaag tcagacaatt ccaacacttg ccacgggaac agcagcagcg tccaccaccc 300

ctggccggac agcaatacta cgcacaaggt caggggttcat atggagagca gcaac 355

<210> 8717  
<211> 362  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a06b1

<400> 8717

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gagcgtctta ctacccttga aagacctgat cttcatcttg tctcctttat gcctaccgtg 240  
cgtacggccg ctactgtcaa tcagacggat aaccgcgacc ctgggtggcg aatccgcgac 300  
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ga 362

<210> 8718  
<211> 459  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a07b1

<400> 8718

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aaggatatacg gagaacccat gcctgtaaag gaattagctg atcgcgttgc tagctatggt 180  
catctgtgta cactctactg gtggctcagg ccttttggct gtggagtta tcttggaggc 240  
tatgataggg atgggccaca gctctacatg atcgaacctt caggcctctc ctataaatat 300  
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ctctctgagc taacctgcag ggaaggcatc gttgaggttg ccaagataat ttatggtgta 420  
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 <213> Triticum aestivum  
  
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 tgatgtcaag tcaactggagt gaacatggaa aacctgctgt caacaattta ttgcaaaagg 180  
 catcagagaa aacagtgcag gcgaaggaat gggctgaacc ccatatagaa actgctaagg 240  
 cgaaatggat tcctgtcatt aaagaaaatt gggctactgc aaaggaaatt gcagaacctt 300  
 atgtgcaaat ggtctcagca aaatcagtag agctttatca agcatcaaag gatgctatct 360  
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 <213> Triticum aestivum  
  
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 cccggccgtc ggcgccgtgc tcggggccac cgtgctctcc ttcttcgact actacctgca 180  
 gtaagcgcg cccggcccga gtcagttcgc tgcgaggagg aggaaggcag gaagaagaag 240  
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 <211> 381  
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 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189050a10b1

<400> 8721

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acaaccgcgc ccgcgccgtg tacggcgctc gccccgtggc atgggacaac aacgtggcca 180  
ggtttgcgca ggactgggcg gcgcagcgcg ccggcgattg ccggctgcag cactccggcg 240  
ggccgttcgg cgagaacatc ttctgggggt ccgggcagtc gtggacggcc gccgacgcgg 300  
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<210> 8722

<211> 218

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a12b1

<400> 8722

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ggctcaagga cagtggatcat atggtcattg cgggtggcca ggtgctggc caagatctca 180  
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<210> 8723

<211> 410

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050b02b1

<400> 8723

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agtcgggcat ccgcaacact gtggacattt acgagctctc ggacacggac ccgagcgggt 180  
tcgagaagac catcacggcc gacacggggc tcgagctggc ctcgggcgtg gcgttctccc 240  
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gcgaggcgaa aacgctcacg ctgctgggtca agttccgctc ggactttgcc gacatcgaga 360  
gttcccagac gtcagtgtgc tttgtgggca acagcacgct gtcacgggc 410

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<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050b04b1

<400> 8724

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caccggaagg ttcccagttt gacgctaaga actatgattc taagatgcag gagctgctga 180  
accaaggtga gactgaggag ttcttcacct cttatgatga agttcacgag agctttgatg 240  
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ctgccatcca gcaaagggga atcgcttctt tctgcaaggg ccttgatgtt atccagcaag 360  
cacaatctgg aacaggaaag actgctactt tctgttctgg aat 403

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<211> 387  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050b06b1

<400> 8725

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gcagccggaa gtggatgagt acttcgcctc ggctgacggc cgcgagcact tcgcccgcac 180  
ctcccaagcc ctgcgcacac cttcttgcta ctcttgcatc cgtgtgaata ctctaaagtc 240  
tagcactgat actgtcatgc aaaagctgct gaaattggta aatgagaatg aactttcttg 300  
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ttacctggtg cacaaatgcc catattc 387

<210> 8726  
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 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189050b07b1

<400> 8726

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gtccacccca gtgtagtctt gcaacgtgcg tttttgttaa agtccggcac tctgcacaat 180
gacctgttcc attgagttct gtttgtcctg ctggagttat agattgtgtt atctgggtta 240
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<210> 8727  
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 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189050b09b1

<400> 8727

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attccctcgt tcgtaccatt caggtttcag ccacggcttc aattgtggag aggctgtcaa 180
ttttgctatt ggcgactggg ttctctggg ctctctggct agcaaacgct acgcacttct 240
gaacagaaca ccctttcttg cacacgagga gctactttgc cgttctgcaa tgcttctgtc 300
ccacaaactg agtgatccag aaacaattaa ttctgaacat ccatacactc aatattgtgt 360
gaagtcttcc tttgtgaggt tgatgcgact gcagcggcgc acacgcagct tactcgctaa 420
aatgggttct cagatatact acaagccaaa aatgtattcg aacctatcct gtagcatgtg 480
c 481

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<210> 8728  
 <211> 352  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189050b10b1



<400> 8728

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cgagttcgat ttcacctact accggagcta caccgaaggc gagccacgtg ccaactctga 180

tgtggtcgat gagctcgagc agttggcact gtgcaagtac gacgccgtac ctactgggg 240

caaaaatcgc aactttgcct ttgacggcgt cattgccaag taccctaaag ccgctgagtt 300

cctcaagggtg aaggccaggt acgaccctga tgggatcttt tccagcgagt gg 352

<210> 8729

<211> 378

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050b11b1

<400> 8729

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agttaagaag cactctgagt ttatcagcta ccccatctcc ctgtggaccg agaagaccac 120

tgctaaggca atttctgacg atgaagacaa tgaggagaag aaggatactg aggagggcaa 180

ggttgaggat gttgatgagg agaaggaaga gaaggaaaag aagaaaaaga agatcaagga 240

agtctctcat gagtggaaact tgggtcaacaa gcagaagcct atctggatga ggaagccaga 300

ggagatcaac aaggaagagt atgctgcttt ctacaagagc ttgaccaatg actgggagga 360

gcatttggct gtcaagca 378

<210> 8730

<211> 380

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050c01b1

<400> 8730

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gctgcaggtc gggttctaca atgcgacgtg cccgatcgcg gaggggggtg tgttcgcgga 180

gatgcacgcc atcctgcacg aggacccac gctggcgccc tcgctgctcc ggatgacta 240  
ccacgactgc ttcgtccagg gctgcgacgg ctccatcatg ctcagggtccc gccggggcac 300  
ggcggagcgg gacgccaccc cgaaccggag catgcggggc tacgacgcca tcgagcggat 360  
caaggccagg ctcgagacgc 380

<210> 8731  
<211> 203  
<212> DNA  
<213> Triticum aestivum  
<223> unsure at all n locations  
<223> Clone ID: uC-tsrow189050c02b1  
<400> 8731

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gcctttctca gagttattga aaatgtatcc actactgtta tccaagtctt ctatctatac 180  
tgaaacataa gagcgtttng atc 203

<210> 8732  
<211> 455  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189050c03b1  
<400> 8732

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cagtgcatta cacaagctgt tcttgctgtt tgctcacctg gtgatgaggt tttgatacca 180  
gcaccatttt gggtcagcta tcctgaaatg gctaggttgg ctggtgcaac accagtgatc 240  
ctcccgacaa gcatatcaga caatttcctg ctgaagccag agtcacttgc ctcagtgatc 300  
actgagaaat caaggctctt gattctatgc tctccatcta atccaacagg ctctgtgtat 360  
cccaaggagc tgcttgagga gattgctgct atagtcaaga agtatcctag gctcctggtt 420  
ctatctgatg agatctatga gcatattatc tatca 455

<210> 8733  
 <211> 432  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189050c04b1

<400> 8733

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 ccaggctcag tacgccctcg aggccgtccg caagggcaac gccgccgtcg gcgtccgcgg 180  
 caccgacacc gtcgtcctcg gcgtcgagaa gaagtcacc cccaagctcc aggactccag 240  
 gtccgtgcgg aagatcgga gcttgacac gcacgtcgcg ctggcttgcg cggggctcaa 300  
 ggcggacgcg cgggtgctca tcaaccgcg ccgcgtcgag tgccagagcc accgcctcac 360  
 cgtcgaggac cccgtcaccg tcgagtacat cactcgctac atcgccggcc tgcagcagaa 420  
 gtacaccag ag 432

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 <211> 453  
 <212> DNA  
 <213> Triticum aestivum

<223> unsure at all n locations  
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<400> 8734

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 ttttgccgct cgatccgtga ctcattgattc atgagctata caccttagac cttgcataca 180  
 tttgccccta tcatcagtat aatgattcaa ccattgctac ccatccattc cattccagcc 240  
 aaaggaagag tactagtatg catttcttgt ggtcatataa gtattgttga ttgatgattc 300  
 gactgtattc ttctgctag atttggtcag aacagggtcg ggctgataag gggtgctcgg 360  
 ggttaatgcc aaaaacgtag tcatgtgctg agttgcgcta cactnttctg tttttattta 420  
 ccaatacatg tccccaaaga tttactccat cac 453

<210> 8735  
<211> 460  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050c07b1

<400> 8735

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gccaaatcct agtgcactta ccgagccttt gcatccgcga atgcctttaa acattggtcg 180  
aagcaactgg attgaccaac acttagttaa tcaagaagta tctcagagga atgtcagagc 240  
acgccatgat agtgctaata ttctattgga agctaggcca gcttcaactt acacaccaag 300  
tagcaatcat cagctgccat tccattcaac cacaagtgtt ttgcaagta cgtcagcagg 360  
aaggaaccaa gcaccttttt ctgtgccaac aagaacatta ccttcagggtg gcactgggat 420  
cactggtagg atctaccatc atcctatgca tagcagcagc 460

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<211> 493  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050c08b1

<400> 8736

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ggccgcgtcg tctccttcgt ccgcatgcac atggacgtcg ttccggccaa ccctagcgaa 180  
tgggacttcg atcccttctc actaaccttc gaaggtgatg acaaggaaaa gcttaggggc 240  
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aattcatcgg tcaactggcat tgggtgtgat ggtcttgtca aggatgggtt gctggataag 420  
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ggtgggatga tcc 493

<210> 8737  
<211> 430  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050c09b1

<400> 8737

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tgcttgtatt gaagccacca acaacaccga gctgggtgat gatggaaaag caaagctaaa 180  
agtaagggtt agactttcaa accctttacc taaaagtcag gctgtgaaag gtgaaatgag 240  
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tagggacaga gctgcccctc gccgggaagg tttccatggt gataggggtt tcaataatca 360  
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gccctctgat 430

<210> 8738  
<211> 429  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050c10b1

<400> 8738

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at ttgccacg aggaggagga cgagagctgc gcggcaatgg agtctccctg cgcagtctcc 180  
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accctctgcy agatttgcct tcagggtttc gagccaggct acacagtccc tccaagaaa 300  
gctccggccg ttgaggtgct gggtactgtc agcgaggatg aggatgagga ggaggagctg 360  
gacgggcacc agggcatgca gtatgcgccg tcagacgggc cgatggacgg cccggacgcc 420  
gtcggctgc 429

<210> 8739  
<211> 434

<212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189050c11b1  
  
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 cgacgacgat gacgatgacc gtcctcag cagcaagaag aagatgatcg cggcaccggg 360  
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 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189050c12b1  
  
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 aatcggttgt tctatacgaa caatcctgga gatgctttgg tctcacgtgc tgctgatatt 180  
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 catagatgtg catctgatga cttccatttc tcgttttggg taggagttcc cacgatggga 300  
 tggttacaaa cttaaagtcc aagtgactat aaaagaaaca acaaaaacat agtaaaatgt 360  
 ataaaattac gcagcttttc cccaccact ggtggggggg tttggagctg acccc 415

<210> 8741  
 <211> 425  
 <212> DNA  
 <213> *Triticum aestivum*  
  
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<400> 8741

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aggcaatcat gccccgacgc cgaggccatt gttcgcagga tcgtcaccat ggctgtggaa 180

gatgacctaa cggtcaccgc gccgctgcta aggctccact tccatgattg cttcgtcagg 240

ggttgcgatg gatcgggtgct gctcaactca accaagacca acatcgcgga gagggacgcc 300

aagccgaacc tcaccctgga cgccttcaac gtgatcgacg ccatcaagga gaagctggag 360

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gtctc 425

<210> 8742

<211> 417

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050d02b1

<400> 8742

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ccgagcccgt cgacaacgcg agctcctcct caccgcgcag ctggggcgctc cgctcgcga 180

gctccgccgg tcacgcaccg ctcatccccg aactcgctcg tgtgcctccc cgtggcgccg 240

aagcgaatca gctcccgagg ggggctgggc cggacggcag cgcggctaag cagggcctgg 300

cggcggcgcg acgagcaggc cgggcggcgc cgcggcgggg gttgggctgg atggcggggc 360

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<210> 8743

<211> 409

<212> DNA

<213> Triticum aestivum

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<400> 8743

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 ggaggagaac aaggtgttcg aggaggcgct cgcggcgatc gacctggacg cgccggaccg 240  
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 ccggggccctc gagaacgacg tcgggttcat cgaggccggg ctgggtccgt tccctcacta 360  
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 <212> DNA  
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<223> Clone ID: uC-tsrow189050d04b1

<400> 8744

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 tcgttcgggc caccgcctc ctcgacaacg aggtccgcgt cctcaaggac gagctgcagc 240  
 ggaacaacct ggagctcgag aacgtcaagg acaagatcaa ggagaatcag gagaaaataa 300  
 agctcaacaa gcagctgccc tacctcgtcg gcaacatcgt cgagattttg gaaatgaacc 360  
 ctgaagatga ggctgaagag gatggtgcta atatagatct ggactcacag aggaaaggaa 420  
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<210> 8745  
 <211> 393  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189050d05b1

<400> 8745

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 accattcaac ggcatgtgga acccgcccga gtggtaccac tggtcggccg gcatcaagga 180



agtcacgtgc ttccgcgagc ccgtactcgc gcactgggtg tcgtactttc tcttttactt 240  
ggccgagttc atctcgatca tgctgggctt catgtactat ctccggcatgt ggaagcccgt 300  
gcgtcgtggt gcccagtacc tcaaggattt tgcaccgcac ttcccgcctt ccaagtggcc 360  
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<210> 8746  
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<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189050d06b1  
<400> 8746

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cggcggtctc gcctccccca gcaccgcgcg ggagtcgcag ccctccctgc tcgccgactg 180  
gaactcctac gcagccaccc ggtcggagct ctctcctcc tccccctcc cgttcgacat 240  
cgaggccgcc gtccgctcgg ccaacgacac cgtctccggc accttcaatg tgggtgtcaa 300  
gggcgtgcgg gagctgccgg ggagcttcca gggcgccacc agcagcttcc cctcggggaa 360  
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cacgct 426

<210> 8747  
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<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189050d07b1  
<400> 8747

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atattgtggc tgacattgtt gaaagtttac tttgccatga gtacttacca ctgggaagcc 180  
ttcagaaaca tctttttgaa gtacatacaa aaatggactg gaacatacgc ttcaacataa 240  
ttaaggggat ttgcaatggt ttgcactttg tacacagcat tcctattgtc catatggatc 300

tcaagccgga aaacatactg ttggatgata acatggtgcc gaaaatcgcc gatttcggtc 360  
tctccagact ctttgggtcaa gaacaaacac ggatgaacac acagaatgtt gttgggtcat 420  
atggatacat agctccggaa tatctataca ga 452

<210> 8748  
<211> 377  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189050d08b1  
<400> 8748

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ttgtaagcag gaggcatgct tcacagtgcc ggctgcacgc aggtcagatg tcggtttgga 180  
gaggagctcg gcgagagctgc gccgtcatgt ccgccaccag caagcttcag tcggtgggtg 240  
cgacggcagt cggcgggcgcc attggggcgc aaggaaggtg atcatgtttt tattgagttc 300  
ttctctgcca agaggaacaa cagggacaca agccttatct aactatagta cattttcttt 360  
atgtatagat gattcac 377

<210> 8749  
<211> 434  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189050d09b1  
<400> 8749

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agatagttag cagcgggtgga tacggagttg ttacagggc gacccatgaa ggggaagaaa 180  
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agtctcggca tagatacatg gatcacaacg gggaccttgt ttctgctcaa ctaatggagc 360  
gagtgtctctg ctctgaatat atgcacggcg gaagcctcga tgaacatatt caagataaat 420

cttgtgaact tgag

434

<210> 8750  
<211> 353  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050d11b1

<400> 8750

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caaaggttca gctatctcga agtgatgctg agcttaggct atttcaggtc aacaataaca 180  
agatatggaa ggtgtacctg cctactgaga aaatagatgc agttcatgat ccaaattgtac 240  
ctcttcatgt tgaggagatt cctgaagtag agaaaagtgc cgggtccgcga gaccgtttgg 300  
ttcatgtcgt ccacttcttc aaagataacc agcacattca atacttatgg act 353

<210> 8751  
<211> 457  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050d12b1

<400> 8751

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cctgcaggac ttttgtgtcg ccgacatgaa ttcaccagta cgtgtcaatg ggtttgtttg 180  
caagaacca atggagggtca acgctgacaa cttcttcaag gcagccgcgc tcgacaagcc 240  
taggggtgacc aacaagggtg gatccaacgt cactttgatc aacgtcatgc agattgctgg 300  
actcaacacc ctccgcatct caattgtgcg catcgactat gctcccttgg gtcaaaaccc 360  
accacatacg caccctcgcg ccactgagat cctcacggtg ctcgagggga cactgtacgt 420  
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<210> 8752  
<211> 374

<212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189050e01b1  
  
 <400> 8752  
  
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 agcttctgtc ggattcgttc ccttacaggg agctggagaa cggcgtgctc tgggaagtcg 180  
 atggccattg ggtcgttcaa ggagcagttg atgtggacat tggagccaat ccctctgctg 240  
 aggggtggtg tgatgatgaa ggggtgtgat gaccaggccg tgaagggtgg tgacattggt 300  
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<210> 8753  
 <211> 370  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189050e02b1  
  
 <400> 8753  
  
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 caatgaatgt gacaacgatg gctccagctc ttaccaagag acttgtagtg atgacagaga 180  
 actgagtttc gactatgaaa taaatgatag agaccaagat ttatttgctt cgagagggtc 240  
 aatggatttg gataaaggag acctgaggac ttccccaacg ccaataaaaag agatcaagca 300  
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<210> 8754  
 <211> 400  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189050e03b1  
  
 <400> 8754

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ttcttaagcc aaggccaagc aagggaccgc cggggcgcgga gcgcgcggat ggcggccagg 180  
cactcgtacc cggccacgcg ggccacgcgg agcgcgccgg cgccctcgcc gccattgtcc 240  
cgccctcgggg agtcggagac ggcgggcgcc caccgccggc ccgaccgga ggcgcgccgc 300  
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cggtcgccgg actccgactt cagcgccgac gagggcgaca 400

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<211> 447  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e04b1

<400> 8755  
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gccgcgcgcg cggggggccag gcgcgtctc ctctcgcgcg gcccctctc cctctcttc 180  
gcctcccgcg gcctcgcgtc cgcgggcccc cctccgcgcc gggcccctgc cccgcgcggc 240  
gactcggggc ctctccgca ccgcgtcccc ggccgccaca acgaccatcg cggtcggcga 300  
ccggctcccc gacgcgacgc tgtcctactt cgacgcccc gacggcgagc tgaagacggt 360  
gacggtccgc gacctaccg cgggcaagaa ggtggtcctg ttcgcggtcc cgggcgcgtt 420  
cacgcccacc tgcaccaga agcacct 447

<210> 8756  
<211> 70  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e06b1

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aataaaagga 70

<210> 8757  
 <211> 271  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e07b1

<400> 8757

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 gagaggggga ggggacgagg agatcgaggg agagagggag gcgacgcgat ggcgcgggag 180  
 cggagggaga taaagcggat agagagcgcg gcggcgcggc aggtcacctt ctccaagcgc 240  
 cgtcggggcc tcttcaagaa ggccgaggag c 271

<210> 8758  
 <211> 445  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e08b1

<400> 8758

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 gagccagtgc cgccgcctcg tctcatcgc cgtcgccgcc ttcctcttct tccacccta 180  
 gcttctccag aggcggccga gtcgccgagt cgccatggag gcctacaagg tctgggtgcg 240  
 gaagaaccgg gacctcgtcc gtcctctcga gtccctcgcc aacgggggtga catggatact 300  
 tcttgagcgc ttcgctaact ccgagattgc cccggaagca gtatatgcac ttctgggcat 360  
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 caaggaacaa tctatcccat gggct 445

<210> 8759  
 <211> 446  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e09b1

<400> 8759

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gtgaagagat tgcattccaaa atcagtacaa ttgctcgggtg gagagaaggt ttggtggcta 180  
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aaagtcagtt tgccatccga accatgcaaa tgtcttctcc agttaatcct gttgtcaaat 300  
cagccagtcc taccattgga ttgagctcgt ccttcacccc tgctcttcag aataaatcaa 360  
accctctcca ctccaggaat atccatgggc tgactgattc tgggtgctctt atcggtagtg 420  
tccgttcaga gtttggcaga aaggtt 446

<210> 8760

<211> 409

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e10b1

<400> 8760

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gcgctattaa ggtttgtttg gaggaagggg aggagtctcg gaggtggagc tgaggagaga 180  
gaccggagat ggccgcttcc gcgaggcagg gggagagggc gaccagcttc gccatggcct 240  
gcagcctgct cagccgctac gtccgccaga acggcgccgc cgccgccgag ctccggcctcg 300  
gaatcaacaa gggtgaggcc gaggcacaga gggcgggcga cacgaagagc cctttgcccg 360  
gagcggaggg cgaggaggcg ggtaggaaga aggagaccat ggagctggt 409

<210> 8761

<211> 503

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e11b1

<400> 8761

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cgagatcctc gagaccatcg ccacgctgct caatgccaat gtgacaccgt gcctgccgct 120  
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 tgctatggtt aatggcacgg cggtagggctc cgggctcgcg tccattgttc tctgtgaagc 360  
 aaacatcctt ggtgtccttg ctgaagcttt gtcggctgtg ttctgcgaag tgatgaacgg 420  
 taagccagag tacaccgacc acctgacaca caagttgaag caccaccccg gacagatcga 480  
 ggctgcagcc atcatggagc aca 503

<210> 8762  
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 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e12b1

<400> 8762

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 tttgtactcc ctctttggaa cctgtttgct gggttcctcg tcgtcagacc gttgataccg 300  
 atctggtgga ggtggtacta ctgggccaac cctgtgtcat ggaccatcta cggcgtggtg 360  
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<210> 8763  
 <211> 474  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f01b1

<400> 8763

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tgggggtgtca tcaaattcgt tccagttgtt gcccactgaa gagcaagaaa gggaaaaacc 180  
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 gaaatgggtc actagtctgg cccagaacc taaagacatg tactgggtcaa atctttggtt 360  
 accgtacaag cagctttgga ttcgccgcat agctacactt cttgggttcta ttgtttttat 420  
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<210> 8764  
 <211> 451  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f02b1

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 cactacttgg gaaaagagtt ggtccaaaac ttgcttgtgc ttcgttttgc gaaccgtttg 180  
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 ttcggaactg atggacgtgg aggatatttt gatcaatatg gaatcatccg tgatatcatt 300  
 cagaaccatt tgttgcaggt tttctgtttg gttgcaatgg aaaagcctgt atctcttaag 360  
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 gaagaggtag tccttggaca atatcagggc t 451

<210> 8765  
 <211> 358  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f03b1

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gtcgtcctgt gagagtgaaa tgcaattatt ctacctcatg tggtttctcc atagtgcctc 240  
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<210> 8766  
<211> 455  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f04b1

<400> 8766

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cccgaggacg ccgaccccca ggagttccac atccgcaccc tcgccccgt cctcggcagc 180  
gaggagaagg ccagggggcg cgtcctctac cactacaagc acgccgccag cggattctcc 240  
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gtgccgagcc agacctacca gctccatgga catgaggggtg gacatgccag cacaacgcgc 360  
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<210> 8767  
<211> 453  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f05b1

<400> 8767

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tacttggaact acccgttctt cgaacaccag attcattggt tctccatctt caattctttc 180  
atgatggtca ttttcttaac tggtttagta tcaatgatat tgatgagaac cctgagaaat 240  
gattatgcaa aatatgctcg tgaagatgat gatcttgagt cacttgaaag ggatgttagt 300  
gaggaatctg gatggaagct tgttcatgga gatgtatttc gacctccacg caacctaatg 360

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<210> 8768  
<211> 293  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189050f06b1  
<400> 8768

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attagaccct tcatgataag aaaccatggc accaggatgc atggcataga aaatagcagc 240  
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<210> 8769  
<211> 445  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189050f07b1  
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aggcagagga gcacgagcgc ttcattctca aggtcacaca cctgatgggt gttcttggat 240  
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tgttctatgt catatttggt cctctcaggt ggatctacta tcgctacaag aagtggcact 360  
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atccaaagga tgaaaagctt ttcatt 445

<210> 8770  
<211> 400

<212> DNA  
 <213> *Triticum aestivum*  
 <223> Clone ID: uC-tsrow189050f09b1  
 <400> 8770  
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 agatcgtaac gcacccgttg tgaggaatgc tgctcctcca ctggttgctt cagaagccaa 180  
 gatgattgtg gccataggcc atgaccattg ccagcagttg aaggatgtgt tgagcaagga 240  
 ggatccttcg accatggtag tggatgatgg ctcaagcaac cagactccta agccgcccaa 300  
 gcctcgctcg ccggtcatgg attccagact gctagcagtg gcctgctctg gttcgtggaa 360  
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<210> 8771  
 <211> 445  
 <212> DNA  
 <213> *Triticum aestivum*  
 <223> Clone ID: uC-tsrow189050f10b1  
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 cagtgtcccc atgatgtcat cttctccatt gtttgccaat gcaccacctg agaagaaagg 300  
 tgtcaagaac tttgcaattg acttctcat gggaggagtg tccgctgcag tttccaagac 360  
 tgctgcagct cctattgagc gtgttaagct gcttatccag aaccaggatg agatgatcaa 420  
 ggctggcagg ctctctgagc catac 445

<210> 8772  
 <211> 466  
 <212> DNA  
 <213> *Triticum aestivum*  
 <223> Clone ID: uC-tsrow189050f11b1

<400> 8772

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gcaacagcta tcgccaatgt ggctcaatg gtttcaaagt tccctgtggt gggggacttt 180  
gcacgagcta ctgaaatggg agcccgagcg ataggaggta tagccaaact ttttggttat 240  
tccaatccac caatgattga cgacgtccaa cctatgcaga ataaggcatt tcatgcattt 300  
gcaaagtgtg agacgcgtgt tectatagac aaactttgtc tggatcccaa aatgaagtt 360  
tccatttcgc ctgctattgc gggcggtgat gaggaagacc ctttggtgat ttcagatctc 420  
tgttgctcag agagttatat caacgctttc aattggacag gagcac 466

<210> 8773

<211> 363

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f12b1

<400> 8773

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gaccaagtgg tcgcaccgat ccagcgagcc cgcgggggccg tcgaattcgg ctgcagcgca 180  
tcagcagcag caggcgccat cgtctccatc ggcgcgctct cctcctcctc ccgtggcgctc 240  
gacagaggcg gcaggggatg agttcatttt gcaggaggaa gaggaccaga tgcagctggc 300  
gttggcgcta tcagcgctcg cgtcggggcg cgaggaagct ggggatcccg acggggagca 360  
gat 363

<210> 8774

<211> 426

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050g01b1

<400> 8774

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 tgtgatctgc ttctgccgac tttcatcctc ggcgcactca cactgcaccg gagtccacga 180  
 cccgcgtaaa cccccaatgt tattctgccc accatgctgc tcataggaag ggtaccggtt 240  
 ctagataacg gaatgtgcgt atatatggat ggcggcttgt cttagaggca tctgtcgcctc 300  
 atagttttct ccaagaccat tgctcatgaa atcttctact gcctataaat ataaatggag 360  
 tgttcatcat tcttcagaag tatttatgta ctttccacat gtgtaatcct ttcaatcaat 420  
 tacaac 426

<210> 8775  
 <211> 422  
 <212> DNA  
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189050g02b1

<400> 8775

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 atggtactgg caagatcccc gataaggaga tcctcaagat tgtgaaggag aactttgact 180  
 tcaggcctgg gatgatcagc atcaaccttg acttgaagaa ggggtggcaac agattcatca 240  
 agacggctgc ttatggccac tttggccgtg aggatgctga cttcacctgg gaggttgtga 300  
 agcccctcaa gtttgacaag gcctctgctt gagacgtggg tatgaaggag tctatcatta 360  
 ctgetgctgc cgctgggtgtg tgtatcttgg ataattgaat tccttctcta tagaaggaag 420  
 ca 422

<210> 8776  
 <211> 426  
 <212> DNA  
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189050g04b1

<400> 8776

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aagtgtctgca acaactgcag gtccttctcg ggggtcgacg tctgcgacga cgcacacccc 180  
cagtgtcccca aggggtgctc ggcttgcgc gtggtgacgc cgagccctca caagacgttc 240  
cgggtgcgccg acatgaagag caccgtcgac ggcacctgcg gcgggccatg caagaagcac 300  
tgatccgttc agggcttcag gtcagacgt ggtgtgccgt ctaaaataaa gtcagatga 360  
tgagccagct tgtcacagtg tttgtgcgtg cctgtggctc caccttgcac accgacaata 420  
tataca 426

<210> 8777  
<211> 319  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050g06b1

<400> 8777

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cggggaggcg atccggcgac cggaggagag cccgccatgg cgcggaagca cggctggcag 120  
ctcccgcccc acacctgca gatcgttgca attactgtat tcttccttct ggtggttgca 180  
ttttatgcct tctttgcacc atttctggga acgcaagtcc ttgagtatgt tgcgataggc 240  
atttatactc ccatggcatt ggctgtcttc atcctttaca tccggtgcac aagtattaat 300  
cctgctgac ctggtatca 319

<210> 8778  
<211> 399  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050g08b1

<400> 8778

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cttatcgcca agggctcggg gcagctggta aggggcatca tctggtgcgg ggacatcaca 180  
gcctccggcc tgaaatgcgg ggaggcgggtg ttgaagaagg gtgcgggggc gaacggcaag 240  
catacgcagg tgaagccgag ctccctcaag aggatgaaga gggccagaag ggtcactaaa 300

atgtcgaaca aggtagcaaa ttcaattctc tcaggtgttc tcaaagtctc aggatttggt 360  
accagcactg tggccaactc caaacctgca cagaagttc 399

<210> 8779  
<211> 462  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189050g10b1  
  
<400> 8779

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taccaaagct gcttttaacc aaggtacaag tacatatgtt cttaatttct acaggcatgc 120  
aatagccaca atgttcttac tgcccattgc ttttgcgatt gaaaggatg ccgagttttg 180  
gcttcttagt tacctagttc tggatgtcat ctaggaagca tgcactgaga tttattttgc 240  
aggaaaactg cccacaaat gtcatacaaa ctctgtgtga agctatttgc gcatgcatta 300  
tatgggatgt ctgctccttt taacatatca tgtgttggtc tcaaatatgc ttcagcagct 360  
tctgcttctg cagtaataaa tctcctgcca gttttaactt ttattttggc tcttctgttg 420  
ggaatggagt ctttgcaatt aaagcgcttc catgggatta tg 462

<210> 8780  
<211> 487  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189050g11b1  
  
<400> 8780

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gggtgagttg gttaagcaat agttcagcta tcccattgag tgtggcacia tcatttcact 120  
gtaacacatt atacacatag tacaacata cgtagattat cccaagttat tagtaatgtc 180  
ccaacactgc aaataacagt ttttacctgt aactgcatct gtggtatggt tttaaatgcg 240  
ggaccagtcc ttaaaatgta catccacagt cccttttgtg cctatatattcc gcacatcacc 300  
cttataaatt cttctggcca cagaatcaat cccaaagtta ttaataatga ctcaacactg 360  
caaataacag ttttcgcctg tcattgtgat tgtgatctgg tttcaaatat gatattagtc 420



cttaaata catccgcata attttggtat tagccctctc gtgcatatat gctgcacatc 480  
attcttc 487

<210> 8781  
<211> 351  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189050g12b1  
  
<400> 8781

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atggatccct gcaagttccg gccgtcgagc tgcttcgaca ccaagacgac taccaccaac 120  
gccggccagc cgggtgtggaa cgacaacgag gcgctcaccg tcggcccgcg cgggcccac 180  
ctgctggagg actaccacct gctggagaag atcgcccact tcgcgcgcga gcgcatgccg 240  
gagcgcgtcg tccacgccag gggcgccctc ggcaagggt tcttcgagtg caccacgac 300  
gtcaccggcc tcacctgcgc cgacttactc cgcgcgcccg gtgcgcgcac c 351

<210> 8782  
<211> 339  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189050h01b1  
  
<400> 8782

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acctcgtcgc ccccgcgag gcgtgctccg tcgtcgtcgt cgtcgcggcc gtcaaaggag 120  
aacgattcca cacggagttg ctgtttttat ccgagaagcc cggatactcg ggattgcgcg 180  
ggggaggcag cggtcattc ctgcggtcga ctcggttctt gataggctag taaaaagaga 240  
gagagggagg gagggatgga cgagaaggca gccaatgg agaagctctc gtcggcggcg 300  
gctttcgtgg agggcggcgt gcatgacgcc tgcgacgac 339

<210> 8783  
<211> 128  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050h02b1

<400> 8783

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agtgctctgc tttccttcga ggcccctggt cagaggtgtc cctgctttgg gtatgcgaag 120  
aataaatg 128

<210> 8784

<211> 434

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050h03b1

<400> 8784

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ttcgcacctg ccaggggagg ttacaggag accatgttct cccagttgg cgctggattc 180  
ccgtcgctgc aacaaatgtg caatgcaatg aacagaagga accctatggt ccaggtttcc 240  
gcttcctatg atgctacaaa tgatcggatg aggaaccgca gacatgatgg aaactgtc 300  
cagccagaaa acaaaaggct atttgagctt gacattgaac gcatagctta gggatgaagac 360  
ccacgcacca cactgatgat caaaaacatt ccgaacaagt acaactgtaa actgcttctg 420  
ggtgtcattg atga 434

<210> 8785

<211> 449

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050h04b1

<400> 8785

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gcaggcctga gtgggtcggc gggctatcag atttctggga cagcataacc attgcatact 180  
tgtcaatttt ctgcagctgc tgtgttttcg ggtggaatgt tcagaggctt gggttcggca 240

acatgtacgt ccacattgca acattcctgc tcttttgcct ggctccgttc ttcattcttca 300  
 acctggcagc agtcaacatc aacaacgaaa ccctgcgaga ggcgctgggg ctccaccggca 360  
 tcgcgctgtg cttcttcggt ttgctgtacg ggggcttctg gagaatacag atgaggaaga 420  
 gattcaacct ccctgggaac cccttctgc 449

<210> 8786  
 <211> 402  
 <212> DNA  
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189050h08b1

<400> 8786

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 cggagaagtt caggacggcg gctgtgaggc cggaggcggg ggacacgtcc atcagcccgc 180  
 gtgtgagcgc gctgcccgcg tccaagacca tggccatcac cgacatggc agcgcgctgc 240  
 ggcaggccgg ggtgcccgtc atcgactcg ccgctgggga gcccgacttc gacacgccg 300  
 cggtgatcgc cgaggctggg ataaatgcaa tcagggatgg gtctactagg tacacaccta 360  
 atgcagggac tatggaggct gggaaagcta tctgcaacaa gc 402

<210> 8787  
 <211> 420  
 <212> DNA  
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189050h09b1

<400> 8787

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 accaaaaaga ggatgagttg tcagggaagt tggctcaagc taatgaagag aaggagaagt 180  
 atgaagaatt gtcaaacaag gccaccacag cgcatttgga agccgagaag caggccaga 240  
 ctttacaggc tgatctagaa tctgcccggg gtaaaatgga agagggtggag aatgatcttc 300  
 aggccctggg tgtagagaa agctcagtac ttgacaagct taaatctgca gaggagcatc 360

ttgagcacag tgtaagggca ctagaacatg ccacttacia gaaaattgat ctggaatctc 420

<210> 8788

<211> 432

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050h10b1

<400> 8788

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gcgttttctt gtactggatg aagttgacca gctcttatca tgtaattacc gcgaggatat 120

gcataggata ctggagcatg ttggaaggaa acctagcact tcatcttcta gtcacatcct 180

tggaccactt gctaggcggg gtgaacgtca gacaatcttg gttccagcaa cagtgccggt 240

ttcagctata cgcgcaacca ggagtcgggg ccatgatcca gatcttgta gggctaatag 300

tgtacgtccg cttgactaga tcaactgttc aagccgatg ctgtcccagg gtgaccctaa 360

ctgtgattct gcaacaatgt cagagaatca agctgcagtt gacagcttac caccatcctt 420

ggagcattac ta 432

<210> 8789

<211> 376

<212> DNA

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actgcggcgg gcggccgatg ccgccgcagc ccacggtgaa gatctactgc cgcgccaacc 180

ccaactacgc catgtccgtg cgcaacggca aggtggtgct ggcgccggac aaccccaagg 240

acgactacca gactggatc aaggacatga ggtggagcac cagcatcaag gacgaggagg 300

gctaccccgga cttcgccatg gtgaacaagg ccaccgggca ggccatcaag cactccctcg 360

gccagtcaca ccctgt 376

<210> 8790  
<211> 373  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a02b1

<400> 8790

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tctagaggac atggcgggcac ttgtcactcc ggctgcttca gtggtgtccg ggctggtggt 180  
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gcacggtggg atccgggagc tcgccgcgga gatccttctc tgctgcgacc gcgcactcgc 300  
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gtctgagccc gac 373

<210> 8791  
<211> 409  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a03b1

<400> 8791

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gcgcatgggg tgcagcgctc tcctcggcgt tgacggcggc gccagcaaca ccgtctgcgt 180  
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cggatgctcc aaccagaact ccgtaggaga ggacaaggcg agggagacgc tggagcgagt 300  
gatggcgcat gctctccaca aggctcgccg gagacgatca aacgtgagcg cggctctgctt 360  
ggccgtagcc ggcgtcaacc accccatcga ccagcacaga atgctggac 409

<210> 8792  
<211> 364  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a04b1

<400> 8792

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gaccatttcg gttggcattg ttgtgcttgc cacacttggt ttggcatccg agggtcgcat 180  
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caatataggg ggtaacattg gcataggtgg tgccggctct gcatcggggg ctggttctgc 300  
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<210> 8793

<211> 311

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a05b1

<400> 8793

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ctcccggcag aacatccgga agctggtaaa ggatggtttc atcatcagga agcctcagaa 180  
gatccactcc aggtctcgtg caaggagggc acatgaggcc aagcagaagg gccgtcactc 240  
tggaataggt aagcgtaggg gtaccagggg ggctaggctc cccaccaaga tcctgtggat 300  
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<210> 8794

<211> 405

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a06b1

<400> 8794

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ccggcggacg aggtgtcccc gcttgagtcg cggcggcggg gcgacgagga gggctcgggg 180

gggccggact cgtccccaga gtccgccgag aagctggcac gcgcggccac cgcggcaccg 240  
gagctcagcc ggcggcgaag cgcggccacg aagccctcgg ggggtgaagcc gcctccacgc 300  
gggcgcggcg ggcgccggtg gactggcggc ggggccttga tctcggcgcc gttcgagtcc 360  
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<210> 8795  
<211> 457  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189051a08b1  
<400> 8795

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aaggagagtg aaatagaaaa tgggtgtcgg gaatggatca gcagacgtga accagcagac 180  
ggcgcgcaat gaaatacgag atgagaccgc gccgcttctt ccggtcaagg tggaggagga 240  
gggattccat gagtttaatg gagcttcatt ctccggggca gttttcaatc tctcgaccac 300  
catcgttggt gctggaatca tggccttgcc agcaagcatc aagatgctgg gcctcatccc 360  
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<210> 8796  
<211> 144  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189051a09b1  
<400> 8796

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caaagaatgt ggctctagtt ttcc 144

<210> 8797  
<211> 225

<212> DNA  
 <213> *Triticum aestivum*  
 <223> Clone ID: uC-tsrow189051a10b1  
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 cacaccggcg gcgaagccgg gcaaggcgcc caaggcggcc aaggccaaga agtccactgg 180  
 cccgaagaag ccccgcgctca ccccggccca cccgacctac gccga 225

<210> 8798  
 <211> 382  
 <212> DNA  
 <213> *Triticum aestivum*  
 <223> Clone ID: uC-tsrow189051a11b1  
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 cacaccggcg gcgaagccgg ccaaggcgcc caaggcggcc aaggccaaga agtccactgg 180  
 cccgaagaag ccccgcgctca ccccggccca cccgtcctac gccgaggtaa gccccgagt 240  
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 tttgtccgtt cgtgcgtgct cagatggtgt cggaggcgat cgccgccctg aaggagagga 360  
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<210> 8799  
 <211> 389  
 <212> DNA  
 <213> *Triticum aestivum*  
 <223> Clone ID: uC-tsrow189051a12b1  
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 tattcatggt ctgctctccg gcgcctcgtg ttctcgccac tgaccccacc cagctccagg 180



acttctgcgt tgctgatata atgaaccctg tgattgtgaa tgggttcgtg tgcaagaaca 240  
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acgctcaggg ctccggcgtg acaccggtga cgggtgcggca gctgccgggg ctgaacacgc 360  
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<210> 8800  
<211> 479  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189051b01b1  
<400> 8800

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gctatgcttt caccgtcgat gccacttggg ttgatcatgc ttctgtttat gagctcattg 360  
aagtaactct ctctagctc aaatgggcca attcctcatt tgcgtggcac aaaaaacctt 420  
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atttcagaca gagtttcgac atcagctatt gtggacacta gaaaagggtca aacacaatgt 240  
agctgctaag gctcaccaag tagttgatgc ccgagtaaag ggcagatttg atggtgtaat 300

gccagaacca agggaaggag ttagaagtgg gcatatacct ggaactaaat gtgttccgtt 360  
ccctgagatg tctgatggtg cacaaacgct cctccctgca gatgagctat c 411

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<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051b03b1

<400> 8802

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acctcgagcg gcttcccatg gcgtcgccct ccggaaaccc taatcccaac cccaacccca 180  
acgtcccctt cgagctcagc aggtcttca agcctcccc aaaccctaac caccacaaa 240  
ccgtgccgac cccactggc atcttcccg gcgccccgcc cggcgcgccg atggtcaccg 300  
ggccgcccgg cccctactcc taccgcccc ccacccgcc cttccaccgc aaccagtacc 360  
tcaactaccc caccgatccc aacgccgt 388

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<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051b04b1

<400> 8803

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ggccgtcggg acgcgcgcac gacgactcag gcagcggcga acagcaacct gccgtcgccg 180  
tcgtcgagcg cggccacgct gatctcggcg ttcggtcca aggggctgga cttccgcgac 240  
atgggtggcg tgcggggcg gcacacgatc ggcgggcg ggtgcgcgag cttccggctg 300  
cgcgtgtaca acgacagcaa catcaacgc 329

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<212> DNA  
 <213> *Triticum aestivum*  
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 tgggtgaaat gcaacttatg tgcttgatgg agtaccaaga atgagggagc gacctattgg 180  
 tgacttagtt gtaggtttgc aacaactcgg cgcagatgct gattgtttcc ttggcactaa 240  
 ctgcccacct gttcgtatca atggcaaagg agggctacct ggtggcaagg ttaagctctc 300  
 tggttccatt agcagtcaat acctga 326

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 <213> *Triticum aestivum*  
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 tgcaagcagg tgcgccgcgg caagtctctc gtcaaagccg acgacgccgt ctacgacgag 180  
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 gacctccccg gcatgggcca gttctactgc ctccactgcg atcgggtactt cgcggatgag 300  
 accgtgaagg aggatcacta ccgctcaaag cgccacaaga aaaggtcaa gcagttgtct 360  
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<210> 8806  
 <211> 427  
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 <213> *Triticum aestivum*  
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 cggtctggc ccatctcga gttcaactgg cggctcgtgg tggccaccgt cgtcggcttc 300  
 ctgggtccg cgtttggcac cgtcggcggc gtggggggcg gcggcatctt cgtgccctg 360  
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 atggggg 427

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 <211> 414  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189051b09b1

<400> 8807

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 ctggccagaa gaagaagggc tggttctcct ccatgttcaa gagcattgca ggtaacaatg 180  
 tacttgagaa gtctgatctg caacctgcac tcaaagctct taaagataga ctgatgacaa 240  
 tgaatgtggc tgaagaaata gcagaaaagc tttgtgaatc agtagcagct agccttgagg 300  
 gcaagaagct aggatccttc acaagaattt cttctactgt tcagacagct atggaggagg 360  
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<210> 8808  
 <211> 337  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189051b10b1

<400> 8808

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tccagttgcg actcctcgtg ccattgccta cgagatgaaa acggcggcac agggatcatgg 180  
aactgttcgt gccgctccga taaggccctt caggaagaag aagatgggtgt ggtgcacagc 240  
acgagttgct tcacttcttg taactgcaca tctggaaatt ctgaacaagg gaggaagcat 300  
ttctctagca aaacagtcac tgcaacactc ctggtat 337

<210> 8809  
<211> 282  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189051b11b1  
<400> 8809

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ccctctcgat ccacctgagt ttcccgacgg ccgcaccgat ctgacgggtgg cggcggcaga 180  
ggaggcctct agggctagag ttttggcgtg atgcagcggc ctgggcggggg tctgcagcgg 240  
tcgggttcga agcgtgtgct cgacccacc aacggcactg gc 282

<210> 8810  
<211> 374  
<212> DNA  
<213> Triticum aestivum  
<223> unsure at all n locations  
<223> Clone ID: uC-tsrow189051b12b1  
<400> 8810

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attccacgac gaggcgccgc tgctgctcag gatcaacacc gccagaggcg gccacatggg 180  
cggaggcgag tgcgacgagg ccgagaacca gcggtggccg ccgtggctca agccgctgct 240  
ggcgaccagc ttcttcgggc aatgcaagat gcacgcggac gccacaagt gcgagtgcaa 300  
catgtactgc ctcgactgca tcaacggcgc cctctgctcc cagtgcctcg cctaccacca 360  
cggncaccac gcca 374

<210> 8811  
 <211> 395  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> unsure at all n locations  
 <223> Clone ID: uC-tsrow189051c01b1  
  
 <400> 8811

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gtcccatatg tgatatttgt tatgtggctg gattttgtca catacttgca tcatcatggt 180
cacgaagaca aggttccctg gtatcgtgga aaggaatgga gctatctgcg cggaggattg 240
acaacacttg atcggggacta cgggttgatc aacaacatac accatgacat tggcactcat 300
gtcattcacc atcttttccc gcaaatcccg cattacaatc ttgtctaggc gactgaggca 360
gcaaagccag ttcttggcan gtactacaaa gaacc 395
  
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<210> 8812  
 <211> 322  
 <212> DNA  
 <213> Triticum aestivum  
  
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 <400> 8812

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ccctgccgca cccacctccg actctggaga cggaggcgga ggatgacccc gtcgtcgtcc 180
ccgacacctc cgatgccgct tcttcggagc cctccaaggt cggcgccctt tcgacgtcgc 240
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cggtggcctc cgtgggtagc gc 322
  
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<210> 8813  
 <211> 408  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189051c03b1

<400> 8813

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gaatgcagca tgggcagaag atcaccttcc ccggcgaggc ggatgaagcg cctgatactg 180

ttactggaga cataatcttc gtcctccagc agaaggagca ccccaaattc aagcgaagg 240

gcgatgacct cttctacgag cacacctga ccctgaccga ggactgtgt ggcttccagt 300

atgtcctggc tcatttggac ggcaggcagc tgctcatcaa gtccaaccct ggcaagtcg 360

tcaagcctga ttcgttcaag gcgatcaacg acgagggcat gcccatgt 408

<210> 8814

<211> 53

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189051c04b1

<400> 8814

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<210> 8815

<211> 295

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189051c05b1

<400> 8815

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tctgatgtga ggagggaggt taatgccgga atcgctgctg tgtctcgcat gatggagcgg 180

ctagaaacga gggatgggag tggctctggg ccctcatcgg cttcttcgga caatgtttct 240

tctgctacaa ataatcaggg ggccgcgtcg tccaactttt gtgcttccgt aaatg 295

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<211> 314

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189051c06b1

<400> 8816

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 ccttcaaggc acttattgct gcagagtact gtgggggtcaa gggtgagctc cccaagaact 180  
 tcgagatggg tgtatcaaac aaaaccctg aattcatcaa gatgaacccc cttgggaagg 240  
 ttctgtttct tgagactcct gatggtgctg tttttgagag caatgctatt gcacgctatg 300  
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<210> 8817

<211> 350

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051c07b1

<400> 8817

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 cgattacccc agcttcaagc tcgtcatcgt cggcgatggc gggactggca aaaccacttt 180  
 tgtgaagagg catctcactg gagagtttga gaagaaatac gagcccacca ttggtgttga 240  
 agttcaccca ttggatttca ccactaactg cggaagatc cgtttctact gctgggacac 300  
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<210> 8818

<211> 395

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051c08b1

<400> 8818

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 ggcgacctgg cgctgccatc tctcatgacc cactgcgcgc cctctctctt acctcgcgac 180



ctctcctctc tttcatggcc tctgccccgc cttactggtc gccacaaccg cttgcacggc 240  
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<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189051c09b1  
<400> 8819

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tggggcacag tgggtggcctt gacactgatg gtaatgagtt gccacggctt gtgtatgtct 360  
ctcgtgaaaa gagaccaggt ttccagcatc acaagaaggc tgggtgcaatg aatgcac 417

<210> 8820  
<211> 383  
<212> DNA  
<213> Triticum aestivum  
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<400> 8820

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tcttcttccc gctcaagaag aaggagcggg taagtatgtt tccggtgacc tgttccacgt 300  
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383

<210> 8821  
<211> 358  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051c11b1

<400> 8821

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<210> 8822  
<211> 396  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051c12b1

<400> 8822

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ccaacgtgaa gggccaccat ccattaccgc ggtgccagct tccatccatt accgcggtgc 240  
cagcttcaag aaactccatc aagagatacc tatgttgatt atcgctatgt aga atggtta 300  
tatgctgaga ctgaacgtca tgtctctctt gtgatgttct gtttccctact tctgagccaa 360  
tttatgatac agagttctgc gtcttatgta tcttcg 396

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<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d01b1

<400> 8823

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cgtggcaacc gccggactgg gcaattgagc cgcgccctgg ggtttactat cttgaggtga 240  
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<210> 8824

<211> 375

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189051d02b1

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gcgggtgctct ccagcaagggt ggccgcgctc gccccccact ccaccaacag ccacctcgcg 300  
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<210> 8825

<211> 354

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189051d03b1

<400> 8825

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tgggtctcatc tcttccagga agaccgccga ggccattgac atactcaagc tcatgtcctc 180  
 cacattcatg gtcgccttgt gccaggccat cgacctccgc catctggagg agaattgtaa 240  
 ggatgccgtc aagagctgtg tgaagatgac ggccaggaag acattgagca ccaccaacaa 300  
 tgggcacctc cacaatgcgc gattctgcga gaaggacctg ctgctcacga ttga 354

<210> 8826  
 <211> 352  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d04b1

<400> 8826

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 agccatgggc agcttcgcca agctggccaa gaggtgctg gagacggagg cgccggcat 240  
 ggtgaagata caagagctgc ttcgaggggc cacggatgtg atgtcgcttg cgcagggaat 300  
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<210> 8827  
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 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d05b1

<400> 8827

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<210> 8828  
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<212> DNA  
 <213> *Triticum aestivum*  
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 acgaattata tggaaatgga tcaaagataa gcttatattt cctttcctgg acttggatat 240  
 aaaatacttt gacttaggtc tacctaaccg tgatgctact ggggataaag taacgataga 300  
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<210> 8829  
 <211> 379  
 <212> DNA  
 <213> *Triticum aestivum*  
 <223> Clone ID: uC-tsrow189051d07b1  
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 attcctgacc ccgacggcct tggcggcggg gggaaagacc ggccagggtga cgggtgttctg 180  
 gggacggaac aaggccgagg gctccctgcg tgaggcctgc gactccggtg tgtacaccat 240  
 ggtcaccatg tccttctcgc acgtcttcgg cgccaacggc aagtaccacc tcgacctctc 300  
 cgcccatgac ctctcctccg tcggcgccga catcaagcac tgccagtcca agggcgctcc 360  
 tgtctccctc tccatcggc 379

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 <213> *Triticum aestivum*  
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cagcaaatgc gctatggttg ctcgatccca cacctttgtc ctgttcagtg gctccagtct 180  
ttgcatcatc agctgctacc gttcctcggc ttgtgcatat gtcgatgtga ccgtccattc 240  
gtacgtcgac gtgttccgga gttcgccatg tttgcttgct gctgtttctt ccaagtgtgc 300  
tatccattta ctcgctctat gtatgtatgt atgcatgtgg agaatttgtg aatcaaagaa 360  
ttggtatcgt ttgtgaaatt ttattttact tgcaaagaaa gagcttccac agcttc 416

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<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d09b1

<400> 8831

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gtagcgattt ccagttacaa gtttgctcga caatattgag taggatgtaa gcacatataa 180  
ggaccagttg caaagaggcg ggcctggaca tctgagtatg ttgtgataca tagatatacg 240  
tacctgcact aggttattgt gattctgttt caaataagtt gtaccttggtg taaaagacac 300  
agcttgtaag gcttgtctct tctttgctaa aatatatata atccctcata gtat 354

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<211> 426  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d10b1

<400> 8832

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cgtgtccagc ctcgctcggcg gcggcaaaag ccacgggtac ggcggccagg ggcacggctg 180  
cgaccagggc tacggcggcc acgggcagca gcagcagcac ggctacggcg gccacgtgca 240

gcagcacggc tacggcggcc atgggcagca gcaggggtac ggcggccacg ggcagcacgg 300  
gtaccctccg cccgccgccg cggtttgccc cccgtacggc ggctaccgg cgcaaggcta 360  
cgcgcggcg gcttaccggc cgcagccgc gccacaccac ggtgggcaca tgggatcgta 420  
ccacac 426

<210> 8833  
<211> 283  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d11b1

<400> 8833

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gtgcagcaag caaacaacc aacagatcga cacagatccg gtggcctcac ctcaccggat 180  
ctccccgttc cttctcgtct tgctctcgac tcgactggag tggaagcaaa gcaaaggaaa 240  
gcaattatct tgactgattg atggggaaga agcccaagtg gct 283

<210> 8834  
<211> 391  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d12b1

<400> 8834

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gtcaacctgc acaaccgcgc ccgcgccgtg gacggcgctc gccccgtggc atgggacaac 180  
aacgtggcca ggtttgcgca ggactggcg gcgcagcgcg ccggcgattg ccggctgcag 240  
cactccggcg ggccgttcgg cgagaacatc ttctgggggt ccgggcagtc gtggacggcc 300  
gccgacgcgg tgaagctgtg ggtggacgag aagcagaact accatcttga cagcaacacc 360  
tgcgacgccg gcaaggtgtg cgggcactac a 391

<210> 8835  
 <211> 353  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> unsure at all n locations  
 <223> Clone ID: uC-tsrow189051e03b1

<400> 8835  
  
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 ttgaatgtgc ttattgagac atactttgct gatgttctctg ctgaatctta caagaccctc 180  
 acatcattga gtggcgtgac tgcctatggg tttgatcttg ttcgtggaac caagacgctt 240  
 gagcttatca agagcgcgtg tatcccatct gngaagtact tatttgctgg tgatgtagat 300  
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<210> 8836  
 <211> 411  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189051e04b1

<400> 8836  
  
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 tagagtgc atgagcgggtt cgtcaactcg ggcaacataa ctgggatcag ttctttgcaa 180  
 atgaggtgac tgagatgaga ggccacctcc tcaagtaccc tgtaagtgtt gaccgtaaag 240  
 gcaaggtgaa acccttgcca ggatgtgcga cattcccaga catgggcgga aacatttggtg 300  
 gtccttcac ggccatccag gaaaacctca caatatgaat tctgcttatg caagcatgca 360  
 attgttggtg acttcttggg tattatggac aacagagatg ccgaagtagc a 411

<210> 8837  
 <211> 416  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189051e05b1



<400> 8837

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gccagggcgc gcgccgccgt ggcgggcggc ggcggggcgc tcggcgccgt gctgtggttc 180  
cagggcgaga gcgacaccgt cgaggtcgac gacgcccgcg cctacggcgg caacatggag 240  
cgctcgtcgc ccgatctcag ggaggatctc ggctcgccca atctgctcgt catccaggtt 300  
ggtcttgcac caggggaggg gaattacacc gacatcgtaa gagatgctca gaaaagtatc 360  
aatctttcca acgtgattct cgtcgacgcc atgggcctgc cgctcagcga cgacca 416

<210> 8838

<211> 416

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189051e06b1

<400> 8838

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aagcactcga tggtgccaaag acgcaactgt accatttcaa ggcggtcgtg atcgccggca 120  
tggtgttctt cacggacgcc tacgacctct tctgcatcgc cctcgtcacc aagctgctgg 180  
ggcgcatcta ctacaccgac cctgccctca acgagcccgg ccacctcccg gcaaacgtgt 240  
cggccgccgt gaacggcgtg gccctatgcg gcacacttgc cggccagctc ttcttcggct 300  
ggctcggatga caagctcggc cgcaagagcg tctacggctt cacgctcatc ctcatgggtc 360  
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<210> 8839

<211> 363

<212> DNA

<213> *Triticum aestivum*

<223> unsure at all n locations

<223> Clone ID: uC-tsrow189051e08b1

<400> 8839

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tgagaagttt ggagaccatg gagttgccat ccgctgggtc aatgattctg ttgcacttgc 180  
 agttttccgg accccatcat ctgctaagga tgcacaagct tgcgtgcctc caagatacaa 240  
 agtacggtca ctaaaggata atgacgatct cttggcaaaa atcgacggtg cagacctaga 300  
 accgccgaca ccaagaccaa agacatccgc gagaacggcg canaggctga tcgcccacgg 360  
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<210> 8840  
 <211> 387  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189051e09b1  
 <400> 8840

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 ggaggatttc aggatctccg aggatgatga tgatgaagat gaaggagaag atgatgaagt 180  
 gactcatttt ggcttttaag gttgattgag ttgaacaggg catttactgg aggggtgttca 240  
 ggaggaccg gtcgggagtg gtgtttgttt cgagggtatt acagtggaaa tgaaatgcca 300  
 tcgatatcac taggtggatc actgccgtta gtctgtaaat caactcgcac tataccaaac 360  
 tcgctgcaat ctcatgatga actgaac 387

<210> 8841  
 <211> 453  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189051e10b1  
 <400> 8841

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 tgtcctccac atacatggtg gcgctgtgcc aggccatcga cctccgccac ctggaggaga 180  
 acatcaagac ctccgtgaag aactgctgta cgcagggtgc gaagaagggtg ctgaccatga 240  
 accccaccgg cgacctctcc agcgcgcgct tcagcgagaa gagcctcatc accgccatcg 300

accgcgaggc cgtgttcagc tacgccgacg acgcctgcag cgccaactac cactgatgc 360  
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 gcgaggccac ggtgttctcc aagatcaaca agt 453

<210> 8842  
 <211> 361  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189051e11b1  
 <400> 8842

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 ggtcaggcgg atccgcaagg agctgaattt gctctggctc gaccccccg cgttctgccg 180  
 gcccgccccg gcgcccgtga cggacctgtt cactgggag gtggatcatc atgggcccga 240  
 cggcagcccc tacgccggcg gcacgttccc cgtcgacgtc gcgatcccca agaagtacc 300  
 catgaagccc ctcaagatca ccttcaaac taagggtgtac catcccaaca tcgggccgga 360  
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<210> 8843  
 <211> 432  
 <212> DNA  
 <213> Triticum aestivum  
 <223> unsure at all n locations  
 <223> Clone ID: uC-tsrow189051e12b1  
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 ctccaatgcc ccagccgctc agcgacctgt tactccaaca agaagtgcgt gcctctctag 240  
 atggtgttga cctcaagttt gtcaaaggac tacgaaaaat tggaccatat tataagaaac 300  
 tcaagtcaga agctgatcaa ggggaagacc atagtcatgc tgcatacaaa gctgaacata 360

atttcaagga ggtctctntg tcgtatggat caaaagggtgg agacaattta aaggaggtct 420  
atgtgtcata tg 432

<210> 8844  
<211> 245  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f01b1

<400> 8844

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cctatggcga cggcggtgct cagatcccac gacgcgctcg ccaacaggat gcatctcgac 180  
gccttcgccc cgcccccca ggccgccaag cagcgccgcc ggcgccaccc caagccggcc 240  
tcgcc 245

<210> 8845  
<211> 332  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f02b1

<400> 8845

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ccaaggcagg tcaggtcagg tcaggtagca gatggctctc accagaatgg gtctcgctgg 180  
cctcgcggtc atgggcccaga accttgcct caacattgcc gagaaaggct taccatctc 240  
tgtctacaac aggacaacgt acaaggtcga tgagactggt cagcgtgccca agctagaagg 300  
aaaccttcct ctctatgggt tccatgaccc tg 332

<210> 8846  
<211> 106  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f03b1

<400> 8846

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taaggcgagg cactgtgaaat cctgtctgaa catggggaga ccactc 106

<210> 8847

<211> 457

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f05b1

<400> 8847

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atgctgtcag ttctcgtgga gcatgccttg gccaatggtg aggctgagcg cgatgcggag 180  
acatcagtgt ttgctaaact tgccatattt gaacaggagc tccgtgcagt gcttccaaag 240  
gaggctcagg ctgcccgaag tgccgtggag aacggtactg ctacacaaca aaaccgtatc 300  
accgaatgtc gatcataccc tctctaccga ttcgtgcgca aggagcttgg aactgagtat 360  
ttgaccggtg agaagactag gtctcccggt gaagaggtgg acatggtgtt cgttgctatg 420  
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<210> 8848

<211> 396

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f06b1

<400> 8848

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gtcgcggcct gagccgctcc gcccgcgacc acccctcgga tcgaccggc ggacggagga 180  
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tgccgagcgg ggcgtgcgcg gcgcccgcg ccccgacc cgaggaggac gcgctgttta 300  
tcgatttact acatgaagct cccctgtctg gccatcgaga gcctaggagc atagtcagt 360

gcaccttgta ctgtatattg ttggtagggt atgctg

396

<210> 8849  
<211> 364  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f07b1

<400> 8849

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ggtcgttgcg gaggatcata ccaacggctc ggagcactct ggcccgcgcg ccgcgaattc 180  
atctgtcact ttcggagacg atgaggccga caacgggttg cagctcagtc atggcgcgga 240  
gcccgaggcc aagcgccggg aagtaattca tcattgcttg ccaaatacta cctctatata 300  
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caac 364

<210> 8850  
<211> 380  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f08b1

<400> 8850

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atccaagagc aaatcatgaa cctcaagttt tcttagcacc tatgccaaag agaagaagat 180  
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ctaatacagaa aaaacgtggt 380

<210> 8851  
<211> 433  
<212> DNA

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<223>       Clone ID: uC-tsrow189051f09b1

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ggcttaactt attgccgcaa tttggttgac attgatagcc tcatatgatt tacaatgcct  180
ctgtccgagc aggaggacat ttttgagtgg caatttgcta tcctggggcc ccgagacagc  240
gaatttgagg gaggaatcta ccatggacgg atccagttgc cctcagacta cccgttcaag  300
ccaccatcct tcatgctgct cagcceaagt ggaagattcg agattcagaa gaagatatgt  360
ttgagcattt ccaattacca ccccgagcac tggcagccat cgtggagtgt acgcacagca  420
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<210>       8852

<211>       309

<212>       DNA

<213>       Triticum aestivum

<223>       Clone ID: uC-tsrow189051f10b1

<400>       8852

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gcggatcgcg gtgctggaca agcccgacct actggacgcc gactacttct accgacacga  180
cctccccctc ctgctgcacg gtcgtgacct ggaccctac ctgccaagc ccgagctggt  240
gcagttcatg cagtggaagc tctatcgcgg gaagcggagg ccgaggctga tggatttcgt  300
gaaaagctt                                                         309
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<210>       8853

<211>       382

<212>       DNA

<213>       Triticum aestivum

<223>       Clone ID: uC-tsrow189051f11b1

<400>       8853

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gcccttcttc ggcttctctg ggcgcgccgc cgccctcgtc ttctcatgca tggggggcggc 180  
ctacgggacg gccaaagagcg gcgtcgggggt ggcgtccatg ggagtcatgc ggccggagct 240  
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catcgccgtc atcatcagca ccgggatcaa cccaaggcc aagccctact tcctcttcga 360  
cggctacgct cacctctcat ca 382

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<211> 458  
<212> DNA  
<213> Triticum aestivum

<223> unsure at all n locations  
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cgtcacaatt atgttcggaa aacagctgaa cttgctactc agttcttcat caaccagct 180  
accagccagc ctaatgttgc gggactaata ttggctgggt ctgctgattt taaaacagaa 240  
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gtttcttatg gtggcgagag cggtttcaac caggccattg agttatcagc tgaaattcta 360  
gcaaattgta agttcataca agagaagatg ttgatcggga agtactttga agagattagt 420  
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<210> 8855  
<211> 348  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g01b1

<400> 8855

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gcctcttgtc tcgaaatata gggcttcagt gcgctcgcag tcaccaaagc tcgaaatgat 180  
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<210> 8856  
<211> 250  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g02b1

<400> 8856

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gtggggggcc aacgcttggtg ctttctgccc agggctagcg ttggaatgga aggcttcttt 180  
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tcagactttg 250

<210> 8857  
<211> 218  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g03b1

<400> 8857

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<223> Clone ID: uC-tsrow189051g04b1

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gctcgcggcg ctggacaagc ccgacctcct ggacgccgac tccttctacc gccacgacct 180  
ccccctcctg ctgcaaggcc gcgaccggga cccctacctc gccaaagccg agctggtgca 240  
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<211> 202

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g05b1

<400> 8859

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gctcttgaga atgtggctgg tacaaaacgt ttggcatggg gacggatagc acgggagccg 180  
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<211> 411

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g06b1

<400> 8860

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catatgctgg tgggtatatt ttggttacta ttcacttccc ccagactac ccattcaagc 180  
caccgaaggt tgcatttaaa acaaagggtt cccacccaaa tatcaacagc aatgggagca 240  
tctgtcttga tatcttgaag gagcaatgga gccctgcatt gacagtttca aaggtgctcc 300  
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cacacatgta caagagcgac cgtgcgaagt atgagtccac agcgaggagc t 411

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<223> Clone ID: uC-tsrow189051g07b1

<400> 8861

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aagcatgctt gccgtgcctt cttccgggtg caccggaggc cggcatgtga ccaggggtgc 180  
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ccaccggttt accgtgtcct tgtgagttgt ggtcattatc atgcactcgt cagttgcttg 360  
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<223> Clone ID: uC-tsrow189051g08b1

<400> 8862

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tgataagttt cctcttattc ggagtattac ttgctggacc ctctcccgat acagcaagtt 240  
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tttgctaaga aggatattgg atactaacia aagagtgcac gaagctgcct gttctgcatt 360  
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caccttatgt gtgcata 437

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 <212> DNA  
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<223> Clone ID: uC-tsrow189051g10b1

<400> 8863

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gtgtgcgact cagtacttct ctgaggttaa cttgctaggc aagagcggct ttgctgcgac 180
gttcaagggg atcctgaggg atgggtctgt tgtggcgggt aagagcctca ataagacaag 240
ttgcaagcaa gaggagtctg atttctgag aggtctgaag acgctcacca tgctgcgga 300
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<223> Clone ID: uC-tsrow189051g11b1

<400> 8864

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tgggcacgcc ggagacctcg cgggagccgt gcccgaccg catcctggac gacgtgggcg 180
gcgcgttcgg gatggggggcg gtggggcggt ccgtcttcca tttcctcaag ggcacctaca 240
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 taatgcaggg actatggagc tgaggaaagc tatctgcaac aagcttcagg aggagaatgg 420  
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 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189051h01b1

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 cagcacgggc ccggccacag gaccttgctc cacgggcacc gccgggtccgc cgaccgagcg 180  
 gcgccgacgc acctccactt cttcttccac gacaccgtga gcggcgcgtc cccgtcggcg 240  
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<210> 8867  
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 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189051h02b1

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tgagaaattg tacagttcta ctctgttctgg aagggatttt caaaaggaca tagttcgagc 240  
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 tacgtcgtca tccgcggcaa ggtcttcgac gtctcggccg ggcgcggctt ctacgggccc 180  
 ggcggcgact acgcgtcttt cgccggccgc gaggccgtcc gcgcgctcgc caagatgtcc 240  
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<210> 8869  
 <211> 356  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189051h04b1  
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 cgccggctct gaaaagcatc atcgacaagc tgatcaaac caagtaagca gacagtgttt 180  
 gtgcctgttg gagaagtacc actagtcaaa aatgtaatga tgatatctgg gatgtctcgt 240  
 tgtacaattg cttgttacac gcccgagtgg ttttgactct gttcttagtt tcctaaagct 300  
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<210> 8870  
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<223> Clone ID: uC-tsrow189051h06b1

<400> 8870

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tgcggaaga tgtaccctga tctgacagag cagggca 157

<210> 8871

<211> 233

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051h08b1

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atctcggagt tcgcccgat cgggtacaga tactacaccg cgggtgttct cgcgatcccc 180  
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<210> 8872

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<212> DNA

<213> Triticum aestivum

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<400> 8872

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<210> 8873

<211> 405

<212> DNA

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<223> Clone ID: uC-tsrow189051h11b1

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cggcgccgtc atctggaact cggcgccct catgaccaa atccagtgg tccgtgacct 120  
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 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189051h12b1

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 <213> Triticum aestivum  
  
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 <212> DNA  
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<213> Triticum aestivum  
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ctactgaatt aggtagaag gccaaggaat tgaagaaggc agcggaagcc cttcaccaag 180  
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atcctcctct atcttcttct ctgaatgaga tcttcataaa gctggaca 468

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<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189053b01b1  
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ggtaaacgat gtgaggattg gtctaagggt tatgatgcca ttggtttttg gcatgaagac 180  
aaciaagttg ctcataacac aagaaagata ttgtcttcta gctattatga tctaccttcc 240  
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332

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<223> Clone ID: uC-tsrow189053b03b1

<400> 8881

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<212> DNA  
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<223> Clone ID: uC-tsrow189053b04b1

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<223> Clone ID: uC-tsrow189053b05b1

<400> 8883

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cgccaaggag actggacctg atgcagatga cagttgcccc aagaacaaaa agaaggataa 180  
ggacaaggca aagaagaagg atgaaagcga tgaaaaacaa gagaaagaca aagactaggt 240  
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<212> DNA  
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<223> Clone ID: uC-tsrow189053b08b1

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 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189053b09b1

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 aagcagacaa ctacactaac cacattagct tcgtcccagc taccatcggg gtcagggtact 180  
 ccgacttgat acatccgtat ttagacaaat ctaagacaag aattttggga cggagggagt 240  
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<210> 8888  
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 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189053c03b1

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 taatgagaaa gattcgctga tggatttaag ttttcatgta ccaacttcaa atactcagtt 240  
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 caagcgggtca agtcgaacca gtcgagacgc cgttttggtg cagatcgagg ggggtgaacac 180  
 caggagga 189

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 <213> Triticum aestivum  
  
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 cgggtgccga gcagcgatca gctcggagca gatgagcgag ttccgggagg ccttcgcctt 180  
 cttcgacaag gacggcgacg gctgcatcac ggcgaggag ctgtccacgg tcatccgctc 240  
 cctgggccag tccccgacgc ccgaggagct gcgggacatg gtgcgcgacg tggacgccga 300

cggcaacggc accatcgagt tcgccgagtt cctggcgctc atgtaccgca aggccgacgc 360  
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<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053c10b1

<400> 8892

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<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053c11b1

<400> 8893

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gatggcaatg aggccgcttg tcgtcctggc cctggccgtg gcgctcgccg gcgtggcact 180  
gggagggggc gcggcggagg gggccggcga gtgcgggagg 220

<210> 8894  
<211> 105  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053d04b1

<400> 8894

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acctgctgca gaagcccgtt gaccggctcg ccgactggc cgcgcc 105

<210> 8895  
<211> 225  
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<213>      *Triticum aestivum*

<223>      Clone ID: uC-tsrow189053d06b1

<400>      8895

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ctggctttgg gcaggattgg agccctgtgc gagcagggtca aggatcttaa tgctcaagga    180

tatgaggtga ttatggtcac ctcgggcgct gttggtgtgg ggcga                    225

<210>      8896

<211>      140

<212>      DNA

<213>      *Triticum aestivum*

<223>      Clone ID: uC-tsrow189053e02b1

<400>      8896

tggctcgacc ccaatgaggt caacgagatc tccatggcca actcccggca gaacatccgg    60

aagctggtaa aggatggctt catcatcagg aagcctcaga agatccactc caggcctcgt    120

gcaaggaggg cacatgaggc    140

<210>      8897

<211>      343

<212>      DNA

<213>      *Triticum aestivum*

<223>      Clone ID: uC-tsrow189053e10b1

<400>      8897

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ggtggcgagc caggcttcca caacatccta ggaatagggc ctggctttgt ccagaaata    120

ttggatagat ccagataga tgagattgtc acagtgacta ctcaagaagc tatggacatg    180

gctagaacat tggcaaggga agaaggattg cttgttggca tctcttcagg ggcaaatgca    240

gctgcctgct taaaggttgc atcaagagag gagaacaggg gaaagatgac tgtgacaatg    300

ttttccagtg gtgcagagag gtatctgaac tcggagctct ttg                            343

<210>      8898



<211> 212  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053e11b1

<400> 8898

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cgctctcgcg tctcccaccg catggcgcg gcaccagcgg cgatcgccgg gccctccggc 120  
gactccgagc gcgacctgag cgcgtccg cgatcggtag aggcatttgg ggccgtcgaa 180  
tctctgggcg atggttcggg gaggaaggag cc 212

<210> 8899  
<211> 310  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053e12b1

<400> 8899

taccttagca atatatttgc aggttttagg tctaagtga atgtatcgat ctctgtgaat 60  
atattgtaaa ccttcacaaa ttccttgat tatttcatag cgctatttta aaataaatga 120  
tttgtattgg aaaaaccaag ttgtccaata tacatattca tgacttgaaa aagtaaaaaa 180  
atacagtcat tgtatattgt gtttgactta gaaagaaaga tgaaaaagct aaacaaaaag 240  
atgtgaaggc tgatgaatgc tttgcttatg catgaatcca tattgataaa gcgctattga 300  
atgatcaagg 310

<210> 8900  
<211> 299  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053f04b1

<400> 8900

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tgagaattac aaaattttcc tcgtcttctgt gttgtatgct gcaaccgcaa gcttctattc 120  
tttggtctctg atgattggag gcgtagtgca tagtgtgcct acagatgaac aatcaggaat 180

tgattctcca agaaaatcgt tagttatttg tggcgtcttt gtgggtgtaa tgactttggc 240  
gttgtctatc ctcttggctt ggcatgttta cctcatctta cataataaga ctactattg 299

<210> 8901  
<211> 138  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053f05b1

<400> 8901

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tgaactggaa tcttctgaag atatatctc tgcatgccat tcaaatcgtg ctgtatgttt 120  
cttgaagttg gggaaatc 138

<210> 8902  
<211> 241  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053f06b1

<400> 8902

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tgcaagaagg ccgttcctcc ccgagaagca tgaggaaaag tcatcgtcat agacattgtg 180  
cttggatcgg tttctgcagg gccaatgctg gaaaccaac acctcatgga tatgctcatg 240  
c 241

<210> 8903  
<211> 194  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053f08b1

<400> 8903

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gcggacaagc cccagctcga cgccgacgac gtccgcctcg ccatccaggc caacgccaac 120

ttcttcttct tccagccgcc gacccgcaag gttctacttg aataggcacg cagccggaac 180  
aagatccccg tgcc 194

<210> 8904  
<211> 188  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053f09b1

<400> 8904

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gatgctcctc ttgcgcgtac tgaactcccc caagatggca gagccccacc tgctgtaaca 120  
actgatatgg aagctttcca tgataaagct aagatgcaag tcattaaaga aggccatggg 180  
aagatacc 188

<210> 8905  
<211> 279  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053f10b1

<400> 8905

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gtgggaccga ggctgaagag cgaccgggag cggttctccc cgaacaacat cctgctcatg 120  
atcgccggcg gcgggctgct ggggatgggg tgggccgggt tcaacggcgg cgcgccctac 180  
gccgtcaaca tcacggcgct catggccgtg ctcaacacca acgtcagcgc ggcgacgagc 240  
ctctcacct ggacctgcct cgacgtcatc ttcttcggc 279

<210> 8906  
<211> 403  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053f11b1

<400> 8906

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atgtctccatt ctatcaactg aggaaagatg ctacaaaact tgttgcatat acatttgaaa 120  
 gggggcggag aaatctttgg caactggcaa caagtcgcct gtctgtttta ctggcttggt 180  
 cagctgtttc ttcaactagc atataccaat ttctgaagaa ctatgaagat ctcacaatat 240  
 ttattttggc cggatgaagca ttttgtgggt ttgaagctag cgaattccga cagaagctga 300  
 agacagtctg tttgaactac atagtgcctt ttcaccggca aaatatatac gcacttaaaa 360  
 tggtagctga aaaggagtct tggacaataa tgtctgctga agc 403

<210> 8907  
 <211> 337  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189053g04b1

<400> 8907

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 tcaccgcagc gcgaccaaac cctcaggcga tccccggcac ctctctcccg acgcttcagc 120  
 catggcagga atggcaccgg aagggtccca gtttgacgct aagaactatg attctaagat 180  
 gcaggagctg ctgaaccaag gtgagactga ggagttcttc acctcttatg atgaagttca 240  
 tgagagcttt gatgacatgg gtctccaaga gaacctcttc agaggaattt atgcttatgg 300  
 ttttgagaag ccttctgcca tccagcaaag gggaatc 337

<210> 8908  
 <211> 212  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189053g05b1

<400> 8908

tgcctcgccc aaatcccca aaaccctagc cccgaggagg aggaggcgga ggcggcggct 60  
 accatggctg ccgcagcggc gaacctggcg ggccggccgg gtgtgcgcgt cgctgcatc 120  
 ggcgaccccg gcaccggcaa gtccagcctt gtcgtcgccg tcgccaccga gcagttcccc 180  
 cgagaacgtc cccaaggtca tgccccacac cc 212

<210> 8909

<211> 243  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053g06b1

<400> 8909

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cccccgagg cgtgcggtt cggcgcgggc gagggtcggc ggcggtcgcg atggcatccg 180  
acgggcgcgt ggagcggatc gcgtccagta tccgcgccat ccccaacttc cccaagccag 240  
gga 243

<210> 8910  
<211> 73  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053g10b1

<400> 8910

tcctgagatc ccactagcgt cctcctcacc caggactgac ccaccgcgcc ggccccgact 60  
ccgactccga cac 73

<210> 8911  
<211> 181  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053h04b1

<400> 8911

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gatgagagag ctcgatggcc cgacgatatt cacctgggtt gcagtaatag ccgggatgct 120  
ggctgcgttc tcggccgttt tccttcacc cgtcgggtccg gtcaaattggg tgctcgccat 180  
c 181

<210> 8912  
<211> 250  
<212> DNA



<210> 8915  
 <211> 72  
 <212> DNA  
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<223> Clone ID: uC-tsrow189053h12b1

<400> 8915

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 gaagatcagc ag 72

<210> 8916  
 <211> 359  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189054a01b1

<400> 8916

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 agatgatcgc caacgccttc gacaacaaga tcgacgcaa gcgcacgctg cgggagatca 120  
 agctgctccg ccacatggac cacgagaata ttgttgcaat aagggatatt atacctcctg 180  
 cacaaaggac tgcattcaat gatgtctata ttgcatatga attgatggac accgatctgc 240  
 atcaaattat tcgctcaaat caagctttat cggaggagca ctgccagtat tacctttatc 300  
 agatccttcg tggcttgaag tacatacatt cagcaaattg tctccaccga gacttgaag 359

<210> 8917  
 <211> 376  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189054a02b1

<400> 8917

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 ctagagtcgc gggagcgact tgggtggccgt gtgcatactg actattcttt tggctgcca 120  
 attgacatgg gagcatcttg gttgcatggg gtttgcaatg agaattcttt ggcgccattg 180  
 attaggcttc ttgggcttag attatatcgc accagtgggtg ataactctgt gctttatgac 240

catgatttgg agagctacgc gctctttgat aaagatggtc gtcaaattcc ccaggagata 300  
gtaaccaaag ttggggaaat atttgagcag attctgaagg agacggtgaa aggtagagat 360  
gaatatgcaa acgaca 376

<210> 8918  
<211> 357  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054a03b1

<400> 8918

gttttgccta tgtgattgga gaccagcga agcctggcca gaagtggcac atctactatg 60  
ccaccgagca acctgagcag cccatggcca ccctggagat gtgcatgact gggctcgaca 120  
agaagaaggc ctctgtgttc ttcaagactt ctgctgatgg ccatgtctcc tgtgctaagg 180  
agatgaccaa gctctctggg atctctgaca tcatccctga gatggaggtc tgtgacttcg 240  
acttcgagcc ctgcggctac tccatgaacg ccatcaacgg atctgccttc tccaccatcc 300  
atgtgacccc cgaggacggc ttcagttacg cgagctacga ggtcatgggc atggacg 357

<210> 8919  
<211> 345  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054a07b1

<400> 8919

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gtgaaggcaa agatccagga caaggagggc atccctccgg accagcagcg cctcatcttc 180  
gctggcaagc agcttgagga tggctgcacc ctgctgact acaacatcca gaaggagtcc 240  
accctccacc tgggtgctccg cctgcgtggg ggcacgcaga tcttcgtcaa gaccctcact 300  
ggcaagacca tcacccttga ggctgagttc tctgacacga tcgac 345

<210> 8920  
<211> 321  
<212> DNA





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 agaaggctca ggacttcttg tgagagggcg aagaggaccc tttcttcac tgcccaaacc 240  
 accattgaga tcgattcact cttcgaggga ggtgatttct attccaccat caccagggcc 300  
 aggtttgagg agctcaacat ggacctcttc aggaagtgca tggagccagt ggagaagtgc 360  
 ctga 364

<210> 8923  
 <211> 309  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189054a12b1

<400> 8923

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 gaaagtggag gccagaaga cacgagtatt ttctggtagt ccagcggact tcgcagtggc 180  
 gatgaggaag tatcttctca cgacagtgcg agtgatccaa aacaatcgat atgttttcga 240  
 atgtgctcct ggaaccaatg caacctcggt ggagtgggtg gagatttatc actacctcat 300  
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<210> 8924  
 <211> 257  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189054b01b1

<400> 8924

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 gtcggacgcg gggaaagtatg tggcgtggtc gggcgtcgac cagccggagc tcgctgcaga 180  
 ggggctcggg tgtggcttgc tctgctcag gccgctctcc tttgcgctga cacactacgc 240  
 cgactgccac aagttcg 257

<210> 8925  
 <211> 369  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189054b02b1

<400> 8925

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 tagcacggcg gcgagtcacg gcggcgaggg cttgagatgg ctgcgcgggc gtaagcattt 180  
 cggaggcgat cgcggagggtg ggggcttctt gtgacccgcc agcgggtctag ctggtgccgg 240  
 cccgtgcccc tgggtatggc gacgtcgtcg tcggctagcg ggggcgggtgc cgccgggggc 300  
 gcgcctggac tcaagactta cttcaagacc cccgagggcc ggcataagct gcagtagcag 360  
 aagaccac 369

<210> 8926  
 <211> 419  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189054b03b1

<400> 8926

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 cgaagcctcc tcaggcgggt caataagcct cctgtcgcaa gcattcagag ctcggttggt 120  
 gatgtcatag actgtgtgca catatccaaa cagcctgcat tcgatcatcc tctctcaag 180  
 aaccatacta ttcagatgcg gccttcttac aaccaagag gcatgcatca tgactccaac 240  
 atcacagccc atgcaatcac tcaaatatgg catcaaaatg gcacgtgccc taagaacacc 300  
 ataccaatcc gaaggaccaa ggaggaggat gtcctgaggg ccaattctat taggaggttt 360  
 ggcaagaaga tgcctaggag catccacac ctcaatccaa ccaatgacac tgacacacc 419

<210> 8927  
 <211> 367  
 <212> DNA  
 <213> Triticum aestivum

<223> unsure at all n locations  
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<400> 8927

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agaaatcccc aacctgaat actttgagct tgacaagcct gactttgatc cgattgccgc 120  
tattggaatt gagatctgga caatgcagga tggcatcctt tttgacaaca ttcttatcgc 180  
cgatgatgag aaggtagcca cgcctatctt ggagaagaca tggaagccca agtttgatgt 240  
tgagaaggaa aagcagaagg ctgaggaggc tgcagcagcc gattcagagg acctttctga 300  
gttccagaag aagatcttca gcgtttttgta caagatcgcc gacattccat tcttgaacc 360  
ttacaag 367

<210> 8928  
<211> 301  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054b06b1

<400> 8928

ttatttacia agaaaatggc ctctacggaa accactagca gcaacaagaa gctgcgctg 60  
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cttgcgacgg ccagaccaca tgccgtagag gccaccgtcg cggtcacgcc ggcgaacgcg 180  
tcgatcgtag ggtcggttgc ccagcggcat gagaacggcg gcacacctgc gcaggtggcg 240  
acttaccgtg tcccggccgt ggacggcctc ccgaggggcg tcgagaacct ggggtcggca 300  
g 301

<210> 8929  
<211> 276  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054b07b1

<400> 8929

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<212> DNA  
 <213> *Triticum aestivum*  
 <223> Clone ID: uC-tsrow189054b11b1  
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 cgcgggggag cggcgtaag ggggcgtcgc ggtggggatc tccggtgagg cggcgcgagg 180  
 cgaggtgcgt atggcaaggc ggagcacggc cgagggctcg aagtggaggt gctgggcacg 240  
 gtgttcttcg cggcgctcggg cggaggttgg aggggctcgc caccagggcc ctagaggcag 300  
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<210> 8933  
 <211> 209  
 <212> DNA  
 <213> *Triticum aestivum*  
 <223> Clone ID: uC-tsrow189054b12b1  
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 ggaggccggc ggccatggaa gaggagagga aggggttcca gcccacctg atgggcctgg 120  
 gcggcgggag gctgaggggc gcggcggggg cgatgggcct gcagaagcag aactcgtggt 180  
 cgcccacat cgagcgggac gaggcgtgg 209

<210> 8934  
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 <212> DNA  
 <213> *Triticum aestivum*  
 <223> Clone ID: uC-tsrow189054c01b1  
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 t 181

<210> 8935  
<211> 247  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c02b1

<400> 8935

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gcgccgttgc ggcagccgtc ctgggacgtg gccagccagc gctcgctgtc cttctactgc 180  
gacgagcagt tcatgtccag cagcatgggc cgcgagttca tggccatggt ggatgcgggg 240  
ggcgcgc 247

<210> 8936  
<211> 265  
<212> DNA  
<213> Triticum aestivum

<223> unsure at all n locations  
<223> Clone ID: uC-tsrow189054c03b1

<400> 8936

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tgccgaacta ctagtgggaa taaattgtca atgtgcattt cttcatgtac tttatgtgcy 180  
gtgcaagtga cttcagagtt ttccggtcaa cttgttggtt gtgttgcaaa cattctgaga 240  
ttgttcaagg aaaatggtgt ggggtg 265

<210> 8937  
<211> 276  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c04b1

<400> 8937

gatctttgag gtgaaggcca cggctggtga cactcacctt ggtggggagg actttgacaa 60

ccgtctggtg aaccactttg tgcaagagtt caagaggaag cacaagatgg atatgacagg 120  
aaacccgagg tctgtgagaa ggcttaagac ttcttgtgag agggcgaaga ggatcctttc 180  
ttgactgcc caaaccacca ttgagatcga ttactcttc gagggagttg atttctatta 240  
caccatcacc agggccaggt ttgaggagct taacat 276

<210> 8938  
<211> 410  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189054c05b1  
<400> 8938

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gccaggatct ggaagggcgg gtgcatcatc cgcgccagct tcctggaccg catcaagaag 180  
gcgtacgaca ggaacggcga gctcgcgaac ctctcatcg accccgagtt tgcgcaggag 240  
atcatggaca ggcaggccgc atggaggagg gtcgtgtgcc tcgccatcaa caacggcgtg 300  
agcacccccg gcatgtcggc gagcctggcc tactttgact cgtacaggag ggagaggctt 360  
cccgcgaacc tcgtgcaggc ccagagggat tactttgggg cgcacaccta 410

<210> 8939  
<211> 345  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189054c06b1  
<400> 8939

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aggcgcaggc ctccgtcccg ccgcgctacg acgggttcgc ctacgggggc ggggcccgcg 180  
cctggaagga cgccgtcctc gtcgaggcct tcctcgaccc gctctgcccc gacagccgcg 240  
atgcctggca cccgctccgg ctgcgcgtcg agcgtactc cccgatggtc tcctcatcg 300  
accatccctt ccctctcccg taccacacct attcatacca tgctt 345



<210> 8940  
 <211> 421  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c07b1

<400> 8940

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 ggcgccgaat cttgcagaga gcttgaaccg agctatggac aacttgtggc atctcggaga 180  
 tgagttccgt gggcaatcaa aggtggtgga ggaccgcca tggtctctca tgacatcaaa 240  
 gctggctgag atcacaaagt caaaggctga gaggatgaat gactttgagt atgcacggat 300  
 gaacaccgtc cctgatgtga agcaatggga taagttatcc taccaccaag aagacaacaa 360  
 gatggaccac ctcaatcttg gcctcatgaa cctggatctt aagatgaatg atctcaagat 420  
 g 421

<210> 8941  
 <211> 64  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c09b1

<400> 8941

aaaaaaaaa aaaaattttt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaataaaa 60  
 aaaa 64

<210> 8942  
 <211> 374  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c10b1

<400> 8942

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 ccaccccgac agcctccgag agcatcctcc tccgccgcgc caccacttcg caggccacgg 120

cggagggggcc ctgccccccg catcgcacat ggccgcgccg ctggaggaac gtatcggcgc 180  
 ggagatcgag gagggcgacg cgctgctcgg acagaaccag cgactctctg cgacgcacgt 240  
 ggcgctcgtg caggaggtct cggccgtgcg gcacgagctt ggccacaccg ctcgagccat 300  
 cggcgctgcc cagcaagagg gagatctccg tattcgtgag gtctatgaga ggttaatgaa 360  
 aatggaagca gagg 374

<210> 8943  
 <211> 316  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c11b1

<400> 8943

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 ggacctcaaa ccagagaatt tcttgtttgc aaacaagaaa gaaaccgcgg cgctgaaagc 180  
 aattgatttt ggcctgtctg tttttttcac tccagggtgaa cggttcactg agattgttgg 240  
 aagtccttat tacatggctc cagaggtggt aaagagaaac tatggccaag aggttgatgt 300  
 ttggagtgca ggagtg 316

<210> 8944  
 <211> 333  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c12b1

<400> 8944

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 agcctcctcc ctccctcatg ggggaccagc tgaccgacga gcagatcgcc gagttcaagg 120  
 aggccctcag cctcttcgac aaggatggcg acggttgcat caccaccaag gagctcggaa 180  
 ccgtgatgcg gtccctcggg cagaacccca cggaggcgga gctgcaggac atgatcaacg 240  
 aggtcgacgc ggacggcaac ggcaccatcg acttcccga gttactgaac ctgatggcga 300  
 ggaagatgaa ggacactgac tcggaggagg agc 333

<210> 8945  
 <211> 117  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189054d02b1  
  
 <400> 8945  
  
 cgtgctgcaa gccagttcat cctgcgagca ctacttttac ctgctgtacg aagcaggcta 60  
 gcaagcaact aggagctaac cagccaggca ggcgaggaga gcatggcatg ctaccac 117  
  
 <210> 8946  
 <211> 103  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189054d03b1  
  
 <400> 8946  
  
 ccttggtcct ccggtgagag gtggcgccga agccggtggt gacaccgtag ctgtcgggtgc 60  
 cgttcatcat gctgttcatg acccagtcgc tgctctcctt gac 103  
  
 <210> 8947  
 <211> 52  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189054d04b1  
  
 <400> 8947  
  
 tgggattatg gatttctggg tggctataca tccagatgca gaaaccaagc ca 52  
  
 <210> 8948  
 <211> 82  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189054d05b1  
  
 <400> 8948  
  
 gcgttgata cgactgcaac aacgttgtgg agcaggagct cccctgtgga ggcgtcctca 60  
 tctaccagag ctttaccgtg aa 82

<210> 8949  
 <211> 400  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189054d06b1  
  
 <400> 8949  
  
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 tcttgcgta gtctcatggc aggccactgc ttctgatcct agcccactcc aagacttttg 120  
 tgtcgccgac atgaattcac cagtccgtgt caatgggttt gcttgcaaga acccgatgga 180  
 ggtcaatgca gatgacttct tcaagggggc caacctcgac aagcctaggg tgccaacaa 240  
 ggctggatcc aacgtcactt tgatcaacgt gatgcatatt gctggactga acaccctcgg 300  
 catatcaatt gcgcgcatag actatgctcc cttgggcca aaccaccac atacgaccc 360  
 tcgcgccact gagatcctca cgggtgctga gggaacactg 400

<210> 8950  
 <211> 64  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189054d07b1  
  
 <400> 8950  
  
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 gtag 64

<210> 8951  
 <211> 439  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189054d09b1  
  
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 agcagcaggg ggaggcccag cgcaaggaag ccgagaggaa ggagcaggag caggagcagg 120  
 agaccagca gcaaggccaa gggctcaccg gcagaccccc gctcgccaac ggcaggtctg 180

gaatgttgcc aatgtcgagc cctccagcaa atccgggaca gcttaccatt ttttatggtg 240  
 ggtcagtatg tgtgtatgac tcagtgccac cagagaaggc tcaagcaatc atgctcattg 300  
 cagcagcagc tgctgcgggc tcaaaaagca atggcaccgc tgctgttaag cctccagcga 360  
 tgtctgcgac caatgcgac tcagccatgc ttacgcgggc gctctcactc cagagcactt 420  
 ctgtagcaaa tggacaacc 439

<210> 8952  
 <211> 355  
 <212> DNA  
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189054d10b1

<400> 8952

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 ggtggacagt tccacettgc ctccagcttc tctgaggggtg ttcgtgctcg caacatctgc 180  
 ccttctgtgc catcctatga gaggcgcttc accacaagca gctacatgac tcagaacctt 240  
 ggcatcagt tcccaatcat gtcattctt ccaatgtttg ccaatgcacc ccctgagaag 300  
 aaaggtgtca agaactttgc gattgatttc ctcatgggag gagtgtcagc tgcag 355

<210> 8953  
 <211> 332  
 <212> DNA  
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189054d11b1

<400> 8953

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 aggctcccag ccgatacaag gtaggagcga acaacgtag ggtactgtcg ttatatcctg 180  
 agttgatatg gtgacagtga gagaagagac acgcaaaggg ccatggacag agcaggagga 240  
 catgcaactg gtatgcactg tccgtttgtt cgggtgaacgc cggtgggatt tcattgccaa 300  
 agtatcaggc ctcaaccgca caggaaagag ct 332

<210> 8954  
 <211> 427  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189054d12b1  
  
 <400> 8954  
  
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 atgctgcctg atctgtatct cttgatcaga ttgctgttgt accgaatcat tgagatagca 120  
 aatacatgta gcttagtgct agatgtactt gatttattac cctgagctat gtttctccta 180  
 gataataagc atttcaggca gcttggaaac cgaatcctta gatcaatgaa atctgtagac 240  
 ttttatgtta catatgcatg gacctatagt ctataatatc ttcaatgaaa atatatgctg 300  
 ctgccataga agcttatcga agctagggtt ctcttagata ctaagcatgt caggcagcta 360  
 tgtagaatcc aaatgaaata tgtagaaatt tatgtactgt ctgtaatatc ttcaatgaaa 420  
 aaatatg 427

<210> 8955  
 <211> 138  
 <212> DNA  
 <213> Triticum aestivum  
  
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 <400> 8955  
  
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 agccaccgct accgtacgcg tacaagccgc tgccctccgg cgccgccgcc gccgacgccg 120  
 atggtgagcg gaccggct 138

<210> 8956  
 <211> 190  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189054e02b1  
  
 <400> 8956  
  
 ctggtctcgt gggcggccat ttctcgggtca tctactagca ccggtcttgc tatatatata 60

tatatctcta ccaaacgaaa ccaaaccat cgategatcg cctgccttcc ttccagcata 120  
 tacatcgaca gacggtcgaa gaagatggcc atgccgccgg cggagaaggt gatcatgggtg 180  
 gacgccaacc 190

<210> 8957  
 <211> 274  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e04b1

<400> 8957

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 cggagcccct gacggagggc gagaaggccg acctggacgc catcctcgac atcaaggagt 180  
 cgggtggagcg cgagtacagg gaggagggca accaggtcgg caagaagggc cggaagcact 240  
 accccgacga cgacgactgc tacaccaagg gcat 274

<210> 8958  
 <211> 419  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e05b1

<400> 8958

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 cctctccctc ggcgactcca tctgggtccc cgccgacgcc gccccccgcg cccgcaacgc 180  
 cgacctcttc tccccctccc cggcgcccga caacaacaac gccgccaaga tgaacggcaa 240  
 cggcctcaac gggcccggcc tcacggggtc cggcaagctc gccttcggcg ccaccaccac 300  
 cagcaaggcc gaccgctaca acaacgtcag cctccccgcc gtcgtcgacg ccaacgcca 360  
 gccctacggc aacgccaacg gcctatacgg tgccaagccc aacaacgcca ccaacaacg 419

<210> 8959  
 <211> 316  
 <212> DNA

<213>     Triticum aestivum

<223>     Clone ID: uC-tsrow189054e06b1

<400>     8959

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gccctgaggg tgcttctgtt cgcggtctcg ttgtcggggc tcgtcgtgct ggtcaccgtc  180
aagcagacgg agatggtgcc cctggctctg acgccgccgt tcagattcgg gccggtgccc  240
gccagttca aagactcgcc agcgctcatt tatcttcttg tggcgctgtg catgacgagc  300
ttgtatagcc ttctga                                           316
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<210>     8960

<211>     414

<212>     DNA

<213>     Triticum aestivum

<223>     Clone ID: uC-tsrow189054e07b1

<400>     8960

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catggcaccg tccggcatgc cctgcttcc aagagataca aatcatgact gtctccgga  120
gttgaagcat ttgtcaaagg aaatagttaa caagtgcaaa ggcttgccctc ttgttattgt  180
gttagttggt agccttttgc gtgtgctgta gaaaactgtg gaagaatgga gaaaaataaa  240
tgaccaattg ggttgggagc taattaacaa ttcgaggttc gatcacataa ggaatgtttt  300
gcatctgagt ttcatgtatc ttccaacaca tttgaaaagt tgtttcctgt actgcagttt  360
atttcagaa gactatattt tcaaaaggaa agaacttgta cgattatgga tagc       414
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<210>     8961

<211>     122

<212>     DNA

<213>     Triticum aestivum

<223>     Clone ID: uC-tsrow189054e08b1

<400>     8961

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atgcaattaa tcttagtta gcaagcaagt tactagctgc tagctaaca gaaatagaaa 120  
tg 122

<210> 8962  
<211> 339  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e09b1

<400> 8962

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atagccgtct acaaagtgtg ttggaaaggg tgcgcgagct ctgacatcct cgccgcgttt 120  
gatgaggcca ttgcggacgg tgtcgacgtt atctctctct cctcggctc caacggcaag 180  
gccccggact tttatagcga tacgaccgcc gtgggtgctg tccgcgcgt cagcaagggc 240  
atcgtcgtct ccgcctcggc gggaaactcc ggccccaaag agtccaccgt cgtcaacgtc 300  
gcgccatggt tcttgacggt cggcgcgctc actctcaac 339

<210> 8963  
<211> 345  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e10b1

<400> 8963

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cgagggggagc tccagaaaac gatggaggtg tgcccgtccc gtcccgtggt cgacagggcg 180  
tggcactcct gtcaccagga aagggttca aatttagagt ctggctatgg tgagggccgt 240  
agtgcagtag ggagaagctg gggcgatgga ttcacgagaa actcacccaa acgccttctt 300  
cagtagctgc ctgggcggac ggcgcggct cgacctacag cgaac 345

<210> 8964  
<211> 259  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e11b1

<400> 8964

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gctacgacct cttcgtcacc ttcggccgcc cgctcccgcc ctccgacgag acctgctacc 180  
cctgctccgc cccctccacc tcttacgacg cgccccacta cgccgtcgag gagccctccc 240  
cctacgcccc ccaccagaa 259

<210> 8965

<211> 327

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189054e12b1

<400> 8965

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ttgactgtag aagtactgaa gaaaccgagg cttgggttcac agattctttt gaggaatggc 120  
gcaaagcaaa aaacctcagt aattttatat tgcttggtca ttctttcgga ggatatgttg 180  
cggcaaagta tgccttacag catcctgaac atgttcagca cttgattttg gttgggttctg 240  
ctggcttttc gtcagaaaca gatcatagtt ctgagtgggt aaccaagttc cgtgcaacgt 300  
ggaaaggcat gctagtaaac catcttt 327

<210> 8966

<211> 242

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189054f01b1

<400> 8966

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cgcgagatg aagatcacgg tgcggggatc gacggtcgtg gtgccggcgg aggagacgcc 180  
gcggctccgg ctgtggaacg ccaaccgga cctggtcgtg ccgcggatcc acacgccgag 240

<210> 8967  
 <211> 257  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f02b1

<400> 8967

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 tccgtcctct ccacttcccg gctgctttct ccgtccgtcc ggtcgtcaat cttcgtcgag 180  
 cagagagagg gagggaggag gtcgtcagat tcgcgcgaga tccatgggga agtacgtgga 240  
 gctgctggac atggggg 257

<210> 8968  
 <211> 363  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f03b1

<400> 8968

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 agatgtaccc tcaaggaaga atgtcgcac acttccgtga aatgaaagtt ggtgattata 180  
 tgtctgtgaa gggacctaag ggtcgtttca agtaccaagt aggacaagt agagctttcg 240  
 gaatgctggc tgggtggatct ggcattactc cgatgttcca agttgcaagg gcaattctcg 300  
 agaaccctaa tgacaaaacg aaggggcac tagtctatgc aaatgtcaca cctgaagaca 360  
 ttc 363

<210> 8969  
 <211> 385  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f04b1

<400> 8969

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atacatccac ccgagggcatg ggcacggcgt tcaaggcggt cgtgaacagc cccgtcggcc 120  
ccaagaccac ccacttctgg ggccccgtcg ctaactgggg cttcgtcctc gcggggtttgg 180  
ttgacttgaa caagcctcct gagatgatat ctggcaatat gacagccgcc atgtgtgtgt 240  
attctgggct ctttatgagg ttcgcgtgga tggtagagcc ccggaactac ttgctcctgg 300  
catgccatgc ctccaacgaa accgttcagc tctatcattt atctcgtgtg gctagggctc 360  
aggggtatct ggattccaag aaaga 385

<210> 8970

<211> 354

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f05b1

<400> 8970

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ctcgtctata gtacttttcc ttcattcaatc ttgtacacaa actatctggt cgctcaatca 120  
aacgccaagc ttgcctcgaa agcaaagcct ggtaaagag gcccatgtca cgaaaaccga 180  
gaccaccttg attctttggg agaattaatt tttcccatgc aatccagtgt gtcttatgtt 240  
ttcctttctc cacacccac cagtacctcc ggaccatctt ggtagttca tcacacaccg 300  
acaatggagt ttaaatacgc tcataacata tgtcgggata gcattagcaa ctgc 354

<210> 8971

<211> 311

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f06b1

<400> 8971

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cgagcctaca agtttttctt tgacatccat taatttcccc actccggcaa ccggagcaaa 120  
gggtccaatt tttgaagacg ggcccaactt tgacacggca tttcgagttt tccacggcag 180

agacgggggtt gttccacttt cagaaggagc atttgctcat attgagaagc ctctgccaaa 240  
 gcccgctcca gaatttaacc ccttggcagc caaagcagct accatcagtc tctcaggatt 300  
 cggaggcttt t 311

<210> 8972  
 <211> 261  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f07b1

<400> 8972

ctcacgcgtc cgcccacgcg tccgctcggc cccgccatgg aggtgttcta ctacctcgtc 60  
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 gtcgccaccc cgacggcctt caactccttc aagaacaact acgtcctcgt ctactccctc 180  
 atgatgtctg gggactggct gcagggggccc tacgtgtact acctctacag ccagtacggg 240  
 ttcgacaagg gcgacatcgg c 261

<210> 8973  
 <211> 302  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f08b1

<400> 8973

tttgtatcaa cgaggacaac acggtcatca accgcgaggg cctgatgaac atccacatgc 60  
 cggcctactt cgacgtcttc gccaaagggc tctccaccgt catgatctcc tactccagct 120  
 ggaacgggggt caagatgcac gccaaaccaag atctggtcac cggatacctc aaggacacgc 180  
 tcaaattcca gggcttcgtg atctcagatt ggatgggcat tgacaagctc acgaccctt 240  
 atggggcgga ctacccttac tcggtcaagg cttccgttct tgccggcctt gacatgatca 300  
 tg 302

<210> 8974  
 <211> 280  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f10b1

<400> 8974

ttgagagcca tcgcggaac cacaacaaa cccagctgaa aggcgcacac accaccgtgc 60  
aggttacatg ggaggaggcc gcggtctggt caccgggttc tacgtctggg gctgggagtt 120  
cctcaccgcg ctctctctct tctccgccc cctctctctgc tagcttctcg atcaaccctt 180  
gaatcttgat tgattataat ccagttctac gcatacatag atacacaaa cttactagta 240  
ttaggtagag agacatctgt taggtgattg tgattgagcc 280

<210> 8975

<211> 400

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f11b1

<400> 8975

tttgctcgtg acgctcgcc tccccatgat cctcgaggag ccgctcctcc acaccgtgca 60  
cctcccgccc atcctcgta ggcgcgacta caaggcgctg tacaagtact tctacgccgc 120  
cgcgaccaag gcgctcgaca ccgccgaggg cctcgggctg aagcgggacg aggcattgcca 180  
caacctgctg ttcgccaccg tcttcaacag ctacggcggc ctcaagggtgc tgctcccggg 240  
gacctctcgc cgcattcgcg gggccggaga gaagtccac cagaagctcg tcgcggagat 300  
acgcgccgcc gtggctgacg ccggcggcaa ggtgacgata gaggcgctgg agaagatgga 360  
gctgaccaag tcggctgtgt gggaggcgct gcggctggac 400

<210> 8976

<211> 109

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f12b1

<400> 8976

tccacgcgtc cgccacgcg tccgtctcag cagaaatctt tctttggttt tggaaccctt 60  
ggtgactcat atggaagagg cttctctcat agtggtgggt tcccacagg 109

<210> 8977

<211> 169  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189054g02b1  
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 gctccgcgct gctgcacgtc gtctccgggt acaccacgcc ggcgccggag ttcttcttcc 60  
 cggcgagcaa gcaggcgtgc tcggcgtgcg ggaaggacgg atgcctcggg tgcgagttct 120  
 tcggcgcgga ggccgggcg cgcgtcacgg catcggacgc gccgagagc 169

<210> 8978  
 <211> 353  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189054g03b1  
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 gcttacctag gagtaactat taagaatgct gttgtcaccg tgcctgctta cttcaatgat 120  
 tcccagaggc aggcaaccaa ggatgccggg gttattgctg gtcttaaatgt gatgcgtatc 180  
 atcaacgagc caacagcagc tgcaattgct tatgggtctg acaagaaggc taccagtgtc 240  
 ggtgagaaga atgtgcttat ctttgacctt ggtgggtggc cttttgatgt ctctctcctt 300  
 accattgagg aggggtatttt tgagggtgaag gccacggctg gtgacactca cct 353

<210> 8979  
 <211> 356  
 <212> DNA  
 <213> Triticum aestivum  
 <223> unsure at all n locations  
 <223> Clone ID: uC-tsrow189054g04b1  
 <400> 8979  
 anttcaatca ccgtgtgtga cagaattaaa catggctatg agaggcaaca atgtcaagac 60  
 cattgtgatg atgctcgtag ttgtgggtgt tgtggccatg gagcaaacc agcaagtaca 120  
 agcatccac tgttgttatg atctcaactc ggtcgatacc tattttaagt gccgcgcaaa 180  
 atctgatagc actgtctcag agtgctgctg tgtttccgct ggctatatat cagaagccgc 240

tggatttgaa tgcaagcccg gttatataga tatagagact gcactgtaag ccaccaacta 300  
 ctgcaagatt ggggtgcacgg ctttcttctg caacaaatta actccttctg ggaaag 356

<210> 8980  
 <211> 326  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189054g05b1

<400> 8980

tgcgcaacaa caaacaacgc tccctgtgcc aactcacagc acattactgt actgtacgac 60  
 cggagtaccg ggcaatgatt tcaaacaatg gctacagcct ggacggggca ggcctctgac 120  
 cccggccgta cggggaaatt caatggctgc tgactgaccc cgtcactgtg caaatctctg 180  
 catacacacg cccagaggat aaaaactcgt atttttcacc tcccgacggg gaatgaactt 240  
 acaacaattt cgctatcgct ttgctaaatt cgggcgcaaa attgacctgc atcatggcct 300  
 agctttctac cggtaaaaca cttttt 326

<210> 8981  
 <211> 219  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189054g06b1

<400> 8981

cctacgcgtc cgcggacgcg tgggctctc agcatcttct catctggcga cgaagaggcg 60  
 acgtcggggc gctcctgctc cgtcgcgacc cccacgccct tctgacctat gtcggatcag 120  
 ggaatacatg ctgcttctgt tcgagacacc ctctggcttt gcagtctttc ttttttgtgg 180  
 gtcactcatt aaccaccta gatctttgga ggacatatg 219

<210> 8982  
 <211> 107  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189054g08b1

<400> 8982



ctgacgcgtg ggcagcgcgt cgggcttcgt cgccgaggtc gtcaccctct tcatcgacga 60  
cgccgaccgg atcatcgctg acatcgggag cctgttggac cagccccg 107

<210> 8983  
<211> 386  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054g09b1

<400> 8983

tttggctctc ctcaagaact tcgccgcttt cctgtgcgtg atcctggcca cgctcgcctt 60  
cgctcgcgcag gatgcgctcg tcgccagagg tgctttgaac aacgtgaagg gatacacggg 120  
tacctacaca ggcaaccag gcggtgggta cggcggtggt tatgggaacg ggaagtatcc 180  
atgataggcc gcatatgatg atacttggag cacggaaata caaaatacgt acggcagacc 240  
atgaataaat tatcacccgt tactggtata tcgtactctc tctgatccat aataagtctc 300  
gcagttttgt accaaggtca gttcaaact taatacaaaa ctgcaacact tatcttagat 360  
tggagggagt accaaaaaca tagtga 386

<210> 8984  
<211> 224  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054g10b1

<400> 8984

tacgcgttcg agggatttca tctccaacgg cgttgatgga atatggaatg atatgaacga 60  
gcctgctatg acaactacta ctaaaacaat gcctgagagc aatatacata gaggagatgc 120  
tgatattggt ggtgtccaga atcattctta ctatcataat gtttatggaa tgctgatggc 180  
aagatctact tatgaaggaa tggatgatgtc caatacagaa aagc 224

<210> 8985  
<211> 213  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054g11b1

<400> 8985

tgaaggggac cgggaagtgg acggtgcagc aggcggcgga gcttgcagtc gctgcaccca 60

ccattgcagc atcactggat gggaggtact tgtcggggct caaggatgag cgagttgcag 120

ccgcaagtgt gctagaggaa gaggggatgc cagttgggct tctggagaag attaattgtct 180

ataagaagga gctggtggac agggtgaggt agg 213

<210> 8986

<211> 195

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054g12b1

<400> 8986

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tacaaaggat gcagtacctt gcattttgtt cattgttggg attgacgtta tgcctctttt 120

ggaacatcat tgcaactacc gcagcatgga ttaaaggggc aggtgttgtc atctggttgc 180

tagcaattat ttact 195

<210> 8987

<211> 253

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h02b1

<400> 8987

gtttgtatgc tgaggaacaa gcaggcagtc cgggatgcgg cgatcggcga tggcgctccg 60

ctccacggcg gaccggtgct tcggccacca ctcaccgttg acgaacggta ttcaatcaac 120

attcagtgca aacgtcgggt caagatgggg aagtcttgca agagctttca gtgcaaaacc 180

acttggaat gaggttattg ggattgattt gggaacaacg aattcaggtg tttctgttat 240

ggagggaaag aat 253

<210> 8988

<211> 172

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h03b1

<400> 8988

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catcacagat aatggacgaa gctgaggcat tgggcggatc atcaagaatt gcttctacgt 120  
gcctttatgg cggagctcct aaagggcccc agtttagaga tttagaaaga gg 172

<210> 8989

<211> 346

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h04b1

<400> 8989

cctctcgtcc ggggacgcgt gggttcagct aagctaaaag tgagtgttgt cttaaagtga 60  
gatggagcaa tatgaaaagc ttccaaaagg agatatggta ttagaggccc tatacaacaa 120  
ctgcttgcaa ctggtggaca cttcgctgag ccatttggca actgagccat cagttgacaa 180  
agcacacgag actcattctg taccattttc attatatgct ctctctagaa tgggatttaa 240  
cttgctgaag agaaaaaatg aaactgaaaa ggagataagc tcttgtgctg tttgtgttgg 300  
tgcgacaaaa tctgtggagg ctgctgtgca agagtcattt ctttat 346

<210> 8990

<211> 442

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h05b1

<400> 8990

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tcctccgtcg ccggacgtcg tcttccccac ctccgatcaa atttgggatt tttcatcgat 120  
ttccataaga tatgatcccc aactccttcg acaccttgct ctgatctgtc cccccaggaa 180  
atccacatc cagattccac atactatggg gcgccgccgc ccgtcttctt cctcctcctc 240  
ctcgtcgccg atgctccaca agaacctccg tgcgctcggc ccgggcctca atccgtttgc 300  
ccccttcggc atgggcaact actcccgtc atccccctc cctcctcctc tcctctgctc 360

tgatttgctt ttctccccgg atccgatttg cttctcccc cttctcgctt ttgatttgat 420  
 tggattggat tgctcctctc tc 442

<210> 8991  
 <211> 317  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h07b1

<400> 8991

taaaataaaa ctctcgacgc ataccagatt tttaagtttc atgatggcgt cgttgaagat 60  
 gttgcttggc atttgaggca tgaatactta ttcggctcag ttggtgatga tcatcatctc 120  
 ctaatttggg atatgcgtag tcttgcacct accaagcctg tacagtctgt ggtggcacac 180  
 cagggtgagg tgaattgcct ggctttcaat cctttcaatg aatgggttgc tgtaactggt 240  
 tcaaccgaca agactgtcaa attatttgat cttcggtaga ttgatactcc gctgcacact 300  
 ttgattgtc acaaaga 317

<210> 8992  
 <211> 306  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h08b1

<400> 8992

atggaaacct agctaagacc gaaaactcca atagcagtcc agcagaaaac taaatacatc 60  
 accagcatca atggccaggt cacaggcatt ggctgcaaca ttgttgcttg tcttgggtgg 120  
 gtcccttgcc gcaataggga gtgttcattg cgtttgcggt atgtcaaatac acgaattcaa 180  
 gctttgtcag cccgcggcgg cagtgaataa cccaacaaac agtccatctg ctgagtgttg 240  
 tgccgcgtta ggaaaggcaa acctatcatg catctgccgc taaaaggca tggccggtat 300  
 atggct 306

<210> 8993  
 <211> 184  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h09b1

<400> 8993

ctacgcgtcc gcaaggtctg gcccacacagt gttagttttg gcacctacca gagagctcgc 60  
aacacagatt ttggacgaag ctgtgaaatt tggcagatca tcaagaattg cttctacgtg 120  
cctttatggc ggtgctccta aaggggcccca gttaagagat ttagaaagag gggttgatgt 180  
tggt 184

<210> 8994

<211> 371

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h11b1

<400> 8994

ttctgcgata cgagatcaac aggggcttcg ctacgctgtg ggcgattggt caaggccgtg 60  
acctgaagaa attcctgatt gtgggtgcag gcctgtggat cctctctttt cttggcagct 120  
gctgcaattt cctgaccttg ctctacatag gtaaatgtgg tttcttgcta cagtctgttt 180  
gttacttaca tatgtgcaat aagcttgccct agcattgttt cgctgatcat gccttcttgt 240  
ttgcagtctt catggtgctt tacaccgtgc ctgttctgta cgagaagtat gaggacaaga 300  
tcgatgcttt tggagagaag gccatggctg agctgaagaa gtactacgcc atcttcgatg 360  
agaagtgcct g 371

<210> 8995

<211> 192

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h12b1

<400> 8995

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tctctataaa acaccgcgga ttctgaattc tgtcttcccc gcgggaatca caccggcgcc 120  
tcctccctcg gcgcgcccgg accgggctcc tcccgcgggg ccggggctgg caccaggggc 180  
ggcgggtgggg gg 192

<210> 8996  
 <211> 67  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189055a01b1  
  
 <400> 8996  
  
 ttgcttctgg tcagaagtca agtgtgacag taaacacaga aaatgttaag aaagctgttg 60  
 aggttttc 67

<210> 8997  
 <211> 124  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189055a04b1  
  
 <400> 8997  
  
 tcttcacgcg tccgcccacg cgtccggcag aagatgccca tctgcaatca gccaatggag 60  
 caacatcggg atgacctgga cttgtttatg cctgggcaga agacgtcaaa ttgatgggtc 120  
 cgac 124

<210> 8998  
 <211> 165  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189055a06b1  
  
 <400> 8998  
  
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 ggcgtcggag gaggcacctg cggcgggtgag ctcggccggc tctaccgtgc gcgggaccga 120  
 tacgtcgtcc tccgccggcg cgagcaatgg cggcggcgcc gcggg 165

<210> 8999  
 <211> 352  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189055a07b1

<400> 8999

ttcggccacg gcttatctaa aagaaccatg gaagatgggt gtgcacaaaa gaaatgggtg 60  
tgtatacctt gatgtccata aactccctga aagaccacag agtgaaattg accgcaggag 120  
atgttttttg ggctattctt ttgaaaatct tgccactgag aactccattg acgaagagga 180  
agcgggtattg atgctaattg agagtattgt tctgtaataa agacgaaatt gggcgcgcat 240  
cgcattgtca tgggtgctga gatggactgc tgtgattcaa ccgacgatgg agggcggttc 300  
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<210> 9000

<211> 305

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189055a08b1

<400> 9000

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ggttcgagag cctcacggac aagagcaagc tcgatgcgca gcccgagctc ttcattccaca 120  
tcattccccga caaggcgacc agcacgtcga cgatcgtcga cagcggcatt ggcattgacca 180  
agtcggacct cgtcaacaac ctccggacca tcgccaggtc ggggaccaag gagttcatgg 240  
aggcactcgc tgcaggcgct gacgtgtcca tgatgggcgg ttccgggtgct tgggttctac 300  
tccgc 305

<210> 9001

<211> 253

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189055a09b1

<400> 9001

ttctttccac gcgtccggga aaggcgtctt cgaactcgcc tctctccgcg caaccgagcc 60  
ttcgccctcc tccttcccca ttgcgacagc ggcgcagccc accaaccacc cccaccgccc 120  
ggcatgaggg agtgcattct gatccacata ggccaggccg gcatccaggt cgggaacgcg 180  
tgctgggagc tctattgcct cgagcatggc attcagcctg atggccagat gcccggtgac 240

aagaccgctg ggg

253

<210> 9002  
<211> 384  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055a11b1

<400> 9002

ttctcggcgg cggcgcgcgc ataggaggcg aagcagcatc ggagccaagc caccgacgcc 60  
accatgggta tctcgcgtga ctccatgcac aagcgccggg ccaccggtgg gaagcagaag 120  
gcgtaggagga agaagcgaaa gtatgagctc ggccgccagc cagccaacac taagctttcg 180  
agcaacatga cagtgaggag ggtccgtgtt cgcggaggta acgtgaagtg gagggtcttc 240  
cgtctggaca ctggtaactt ctcatggggt agtgagggct gtgaccgcga agaccgtct 300  
cgtggatgtt ggtttacaat tcgtcaaaca atgagcttgt gaggactcaa acccttgta 360  
agaatgccat tgtgcaagtt gatg 384

<210> 9003  
<211> 164  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b01b1

<400> 9003

tcacgcgctc cggccccgct gagcgagcac cagatgcgcc tcacgcgcgc cctggccaag 60  
aggccaaga ccaagatgct caccgggttc ggctcaaac ccaccgtgc tttctccaag 120  
ccggcgcagc tgcaggcgca ggcgctgatg tccggtgcgc agtc 164

<210> 9004  
<211> 312  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b02b1

<400> 9004

tcttcgccag tcgccgcac ctccaccta cgtcccgctc atcatcatcc atcctcatcc 60



tcctccaaga acccggcaga atcatcgca gagcaccatg tccaatcacg actccgcgtg 120  
gccctcatTT tgattgatct taagctgcag ctcggggatt ggctcgctgt tagcctgtcg 180  
gaccaccct ccatggcgcc cgaagtgaag gtgccgctgc tggagggtag ggggtcgca 240  
cgcccgca gacgttgggg aacatcgctg tgtccatcgt cggcaccggc gtgctcgcc 300  
tgccctacgc ct 312

<210> 9005  
<211> 322  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b03b1

<400> 9005

ttcttcgccg ccgtgcctac tactcgcca aggttgagc ttgtgaaagt tctctaaggc 60  
tgacaagatg gttctgaaga ccgagctctg ccgttttagc ggccagatga tttaccctgg 120  
gaagggtatc aggttcattc gttcggattc gcaggttttc ctctttgcca actcaaaatg 180  
caagcgctac ttccacaacc gctgaagcc tgcatagctt tgctggacag caatgtacag 240  
gaagcagcac aagaaggaca tccatgctga ggctgccaag aagaggcgcc gcaccaccaa 300  
gaagccgtac tcacggtcga tt 322

<210> 9006  
<211> 320  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b04b1

<400> 9006

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agcgagcgga gggcgtagc gtacatgcag gcgccaagg tgcagggcct gggcggcac 180  
aagaactcat ggtccaacga ctccctcttc agcctcagct acgcccggcg ggggggcagg 240  
gctcgtcgtc cactcgtgcg tctgcgcgcc caccacgcac ccgggctcct tccgctgcaa 300  
gcaccaccgc cagagcgccg 320

CCAGTGAAG GTGCCGCTGC TGGAGGGTAG GGGGTCGCA

<210> 9007  
 <211> 330  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b05b1

<400> 9007

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 agatgttcgc gttccaaagg gcgatatctc ggctcgtaga aatgcagacc ccgctgtatc 180  
 tcgagcgcgt ccagcatgtc cattcttccg cccttcaaca acagcagggc acccctgttc 240  
 tcgcataaca gagcactgga tcctcagtct gtcacctggt agactggtag tactattcta 300  
 ttcattcttg gaaaataatc ttgcaactgt 330

<210> 9008  
 <211> 330  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b06b1

<400> 9008

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 attgatgatg atagcaaatt gtgctaaggc ttgggctcaa tagggaaaga aagagagaga 180  
 gagagagccc tttttatact tgggataggc atacaattgg aaattttggt tggctattgt 240  
 ctgttggttc attgtctagc tataatgttt tgcttcgctg cctaaatgcg gctttgtagc 300  
 ctgaataatg tacagatttt ttggttgctc 330

<210> 9009  
 <211> 343  
 <212> DNA  
 <213> Triticum aestivum

<223> unsure at all n locations  
 <223> Clone ID: uC-tsrow189055b07b1

<400> 9009

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gcttccgagg cgacagagct gcacaagagc agagcagagc acgcataggg agagagggag 180  
atgagnggag atcataagca tccacatcgg gcaggcgggc atccagggtgg ggaattcctg 240  
ctgggagctc tactgcctcg agcatggcat ccagcccgcac ggctcatgc ccagtgatac 300  
ctcggttggg gttgcaaagg atgcattcaa cacattcttc agc 343

<210> 9010

<211> 392

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189055b08b1

<400> 9010

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ggcataatcc gattttaagc atggacgaga tcatagatga gtgcaagacc ttcttctttg 180  
ccgggcatga caccagctca cacctgctca catggaccat gttcttgctg agtacgcacc 240  
ctgagtggca ggagaagctc agggaggagg tgctaagaga ggtgggcagt tgaggttccc 300  
accggtgaca tgctcaacaa actgcacttg ctcaacatgt tccttctaga aactcagagg 360  
ttatacgccc ctgtgtcact cattcagagg ta 392

<210> 9011

<211> 411

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189055b09b1

<400> 9011

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taattgatga gccaagtgca tatctcgatt cagagcagcg tattgttgcc tcgaaggtta 180

tcaaaagatt catccttcat gcaaagaaaa ctgcatttat tgtggagcat gatttcatta 240  
 tggcaaccta cttagcggac aaggttattg tttatgaggg acttgcttct attgactgta 300  
 ctgccaatgc accacagtct ttggtatctg ggatgaataa attcttatcg catcttgaca 360  
 ttacatttag aagagacccg accaactaca ggccacgaat caacaaactg g 411

<210> 9012  
 <211> 225  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b10b1

<400> 9012

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 gccgtggcga agcaactcag gcggatccgc acgctgggac gcggcgcgtc cggcgccgtc 120  
 gtgtggcttg cgtccgacga agcctccgga gagctcctgg ccgtcaagtc cgccggcgcc 180  
 ggtggcgcg ggcagctgga ggcgcgagggc agcgtgctca ccggg 225

<210> 9013  
 <211> 236  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b11b1

<400> 9013

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 gtcggtgacg gggggctgga tgcgcgcgag cggctcgtcg acggagcgga actcgagcgt 180  
 gccgacgcag gtggaggcga gcagcggcgt gaagaccatg tggttgcgcg gggaga 236

<210> 9014  
 <211> 209  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b12b1

<400> 9014

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actgctgccg ctgttggcat gaagccctct cctgtgggtcg atttttcttg ggtagtgggc 180  
cctaaaggac ttgccttcgg tggggaagc 209

<210> 9015  
<211> 105  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189055c04b1  
<400> 9015

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tggacccttc gtttgagctg ccggagtccg aggtgagggga gaggt 105

<210> 9016  
<211> 266  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189055c05b1  
<400> 9016

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catgccccatg ctctgttgag gcgagcctca ggctcttggt ctctgtttgg ttcattcttg 180  
cttaatgacg acgcaatgac gcctccccga cttgctaata gtcttgaact tccgtggcgg 240  
agcgctcagt caaggactgt tggcat 266

<210> 9017  
<211> 442  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189055c07b1  
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gtgtctgcca cggcctgca caaggtgaag ctcataggcc cggacggaga agagcacgag 180  
tttgaggccc ctgaagacac ctacattctc gaggcagctg aaactgccgg agtggagctg 240  
ccattctctt gccgcgccgg atcgtgctcc acatgcgcgg gcaagatgac gaccggggag 300  
gtcgatcagt cggagggctc cttcctcgat gagagccaga tgggtgcagg gataccttct 360  
gacctgcatt tcatacccca aggcggattg cgtcattcaa accaccaag aggaggaact 420  
ctactaattg gctcacatgt gc 442

<210> 9018  
<211> 267  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055c08b1

<400> 9018

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tgggtggatct gtcaggccta ccgcgggagc cagtgtcgtt ggctaccaag ctgatgatcg 180  
tccgggcatg gctgctgggg gtatgaatgg caggaatgtt gcttttggct ggtggaatgc 240  
ctgagcctcc ctttcccca gatgcct 267

<210> 9019  
<211> 386  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055c09b1

<400> 9019

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tctcgccaac gcgatggcga cgcgggcccg ccggccgtcg gcgcagcagc agcagccgct 120  
gacggtggac ttcgaggcgc tgagctacat cagcaggctc gtggaggcgt tccaggcggt 180  
cgactccgac aacgacggcc tggtcacggc ccccgagctc cggggcctcc tggcctccct 240  
gggcctggac aagtcggagg cggaggcgcg ggacatgctg gcccggcccg acgcccagcg 300

tgacggccgg cttggttggg aggagttctt ggacgtgatg aacgcaggcg agctcggctt 360  
 ggggcgcgct cggcgcgctc ctgcag 386

<210> 9020  
 <211> 244  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189055c10b1

<400> 9020

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 ggggggcgac ggtggggacc tggagtcggt cggcggcggc gtgcggtaga tgacacgtcc 180  
 tacaacgacg gcctggtcac ggcccccgag ctccggggcc tcttggacta gctgggcctg 240  
 gaca 244

<210> 9021  
 <211> 320  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189055c11b1

<400> 9021

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 gaccaggctc ctcatccctc cgaccaccgt actggtgatt aacctggtgg gcatggtggc 180  
 aggcatatca tatgccatca acagcggtta ccaatcctgg ggtccactct tcggaaagct 240  
 cttgttctca atctgggtga tcttccatct ttactccttc ctcaagggtc tcatggggaa 300  
 gcagaaccgc acgccaacca 320

<210> 9022  
 <211> 79  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189055c12b1

<400> 9022

gcccgacgac tcagctgaga gacggacggg ccctctaggg ggcggccatc aacgatggtg 60  
gtggacgcag aggaaatgg 79

<210> 9023

<211> 429

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055d02b1

<400> 9023

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ataagaatta gcacaaatgc ctagagggat caacatagac tctccaagc tcacaggcag 120  
agctcaggac catgcatgca ttctgcaa atctttatcccc ccaacgatgc tatgtgcttg 180  
atgtcttgta caaggtgggt tatgtgctgc tgtgttggtt ctgtccagtg tgaaaaagtg 240  
gaatgccata aataaaatag aagaatggaa gttgatcccc aggaaataaa agaataaggaa 300  
aacatgcaag ttggtagtat tattgtatctt ccaaggctgt agctgtactg atttctgaat 360  
gttaaattac tctatcagtc ttcgttacca tctatctatt atatacctat gacagaagac 420  
atgatgacg 429

<210> 9024

<211> 281

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055d03b1

<400> 9024

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gcctggaacc gctatgacct gcgatacatg gccgccctgc tcatggacag caacgccgtc 180  
gttgtgctcg acatacgcgc acccggggtg cctgtggccg agctacatcg gatgggggat 240  
gcgtcaacgc tgttgcgtgg gcaccgcagg ctgcaagaca c 281

<210> 9025



<211> 374  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189055d04b1  
  
 <400> 9025  
  
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 ctcgcttccc tcggggggcg agcggcgggc ggcgccggcg aggggttctg ctcggcgga 180  
 ccgtcaaacg attgttctca gtcgccgcgc ctctactcga aggtcaccag tcccactctc 240  
 gcacccgtgc atttgcaaga ttacctggc ttcacacgta gtgtgtacaa aaaggatcat 300  
 gctttaataa caccagaaag ccatgtattc agtcctttgc ctgattggac caacacgtta 360  
 ggagcatatt tgat 374

<210> 9026  
 <211> 228  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189055d05b1  
  
 <400> 9026  
  
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 gtactatgga aaggcgatca caaacctcac cctcactcgc ctgtccgcgg ttggcgagag 180  
 gggtttttgg gtgatggcac atgcccttgg cctgcataag ctcatatg 228

<210> 9027  
 <211> 372  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> unsure at all n locations  
 <223> Clone ID: uC-tsrow189055d06b1  
  
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atggcaacgg cgccaccacg cgcccgtcgc ccactccctc ccccatccgc ttctccaagt 180  
tcttccaggc caacatgcgg atcctgggtca cgggcggagc tggcttcacg ggctcgcacc 240  
tcgtcgacaa gctcatggag aacgagaaga acgaggtcat tgttgctgac aactttttca 300  
ctgggtcaaa agacaacctg aagaagtggg atcggacacc ntagatttga actcatccgc 360  
aacgatgtca cc 372

<210> 9028  
<211> 348  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055d07b1

<400> 9028

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gcacttggtg taatgggtct tgctgaggct tgtggtgtag ctgttcaatc aatattaact 180  
gttggtggtg tgggcagggtg ttgctacggc ttttgctgct tgagatgtct cgggcacgtg 240  
gttgaatggg ttctccttac aattttctag gccattctga gctggagaat acataaaggc 300  
tgggtcaata gaaggcatgg cactcgatat aggacttact tcaacttt 348

<210> 9029  
<211> 160  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055d08b1

<400> 9029

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ccccggccg acgccgtcgg ggtcgaggac ttcacgcgc gctacatcca gctccacgcg 120  
ccccacgtcc gggacgccgt cgccgggatg cctgcccctg 160

<210> 9030  
<211> 300  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055d09b1

<400> 9030

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gagcctgcct cctggtgctt tcccaaggca tgctgctgca atcctatgat ctgcccagat 180  
ggctttatct gttatctgtc tgtttgaaca ttgctttgt ggtgtattgt ttacaacct 240  
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<210> 9031

<211> 325

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055d10b1

<400> 9031

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tattatttat caatgaacga atctatctag ctgtgccgtc agacatttta tccgcggatg 180  
atcgacgcaa atcggcagca aggacagttt ttgttttctg gcctatgaaa gctatgtctc 240  
taaaggaagg atcactaaag tggttttttc attaaccac acataggtgc actacttgaa 300  
agtcatgcac cctgagataa acatg 325

<210> 9032

<211> 353

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055d11b1

<400> 9032

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ccttctctc ccacccaat gagctcattg cactcttctc caggtatgtt caccagggca 180  
aaggcatgct ccagcgccac cagctgcttg ctgagtttga cgaactgttc gaatccgaca 240

aggagaagta tgcgcccttt gaagacatcc tccgagctgc tcaggaagca attgtgctgc 300  
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<210> 9033  
 <211> 212  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189055e01b1

<400> 9033

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 cgaactccag ggccaccttc tccagcgaga tccacgacat cggcacggtg cagaactcca 180  
 ccacgcccag catggtgtac tacaccgagc gg 212

<210> 9034  
 <211> 105  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189055e02b1

<400> 9034

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<210> 9035  
 <211> 245  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189055e03b1

<400> 9035

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 aagcagccac ttgttcagcc tgacaacgtg ccatatgttc ccgcaattaa ctctgctgcc 180  
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tctga

245

<210> 9036  
<211> 385  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189055e05b1  
  
<400> 9036

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ccggaaggcc acggcggggc cggtcgggg ctctcgagg gccgaccacg gtgtaatctt 240  
cgaaatccgg gggaaacata gattggaatt ggagaatttg aactaacia agcaccatt 300  
caggacattg cacttctgta atttagctat gttgcaatac ttgaaaagat cagcagcata 360  
tctctgagt aaaagagctt tgttt 385

<210> 9037  
<211> 400  
<212> DNA  
<213> Triticum aestivum  
  
<223> unsure at all n locations  
<223> Clone ID: uC-tsrow189055e06b1  
  
<400> 9037

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gcgcaggagc ggagatgggg ctacgttca cgaagctgtt cagccggctc ttcgccaaga 180  
aggagatgag gatcctctac aagctcaagc tncgagagat cgtcaccacc atccccacaa 240  
tcgggtttta tgctgaaact gtagagtaca agaacattag tttcaccgtt tgggatgtcg 300  
ggggtcagga caagatcagg cccctgtgga ggactactt ccagaacacc cagggtctca 360  
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<210> 9038

<211> 266  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189055e07b1  
  
 <400> 9038  
  
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 gctggcgaag tcccggtcgc ctctgttatg cggtatcgaag gctccgaaat caccgaggat 180  
 gacatcaaga aattcgtcgc aaaggaggtt gttctctaca agaggatcca caaggtcttc 240  
 ttcactgact ccattcccaa gaaccc 266

<210> 9039  
 <211> 454  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189055e08b1  
  
 <400> 9039  
  
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 agtatcacca ccaccactca agaaatggcg gccgagactt tcctcttcac ctctgagtct 180  
 gtgaacgagg gccaccctga caagctctgc gaccaggtct ctgacgctgt gcttgacgcg 240  
 tgcttcgccc aagacgctga cagcaagggt gcctgtgaga catgcaccaa gaccaacatg 300  
 gtcattggtt ttggctgaga tcaccaccaa ggccactgtt gactatgaga agattgtgcg 360  
 tgacacctgc cgcaacattg gcttcatctc tgatgatgtt ggccttgatg ctgaccggtg 420  
 caaggtgctt gtcaacatag agcagcagtc tcct 454

<210> 9040  
 <211> 351  
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 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189055e10b1  
  
 <400> 9040

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 ctgccgtgca gccgcccgcg cctcgtatc cccttcgcgc agccgccgct ccgcgccgcc 120  
 gccttcgccg gcgcctcgtc gccgctgctc cgcccggtcg gcgccagatt ctcgctgttc 180  
 agcagcatgg ccgccgccgc ctctccgcc tctccgtcc acgacttcac cgtcaaggat 240  
 gcaagtggaa aagatgtcga cctgagcacc tacaagggga aggctctcct cattgtcaat 300  
 gttgcatccc agtgtggctt gaccaattcc aactacacgg agctcgctca g 351

<210> 9041  
 <211> 390  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189055e11b1  
 <400> 9041

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 gagagctcaa aaactgacga gtctgagctc agattggcac agcttcaaca tcagctacct 180  
 gctaataaac ctggtgcgtt aatgcattct gtagaagaat caactgctga tgatacagaa 240  
 gaggaaagcg ttaaagagtg caggacttta ttcaaagatc tgaagttcta cttaagtcgt 300  
 gaggttccca gggagtctct cttgtttata attccggcat ttggaggaac tgtttcgtgg 360  
 gaaggagaag gagctccatt tgatgaaaca 390

<210> 9042  
 <211> 137  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189055e12b1  
 <400> 9042

tcgcccacgc gtccgaacac ccctgagatg ccacccgtgt ccacccagat aatcgcgaga 60  
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 agggagagga tgagcac 137

<210> 9043

<211> 198  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055f01b1

<400> 9043

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tctctgacca ctcaattttt gttggtgatt tagctgctga tgttactgat gaaatgttga 120  
tggagctttt tgcttgcaag tatcgctccc tgaaaggagc taaagttatc attgatgcaa 180  
acacaggccg ttctaggg 198

<210> 9044  
<211> 202  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055f02b1

<400> 9044

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gtttcgccgc catgggatcc gacgcctacg gcggtctacga cgcagtgccg ccaccgtctt 120  
ctgcagcgca accacacggg gccgcgccgt cgtatggggg tgggctcgcc ggcatectcc 180  
ctcagaagcc ggatggggat ga 202

<210> 9045  
<211> 201  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055f03b1

<400> 9045

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gtgatacctt tcccttcaag tggataaaca agaaatggcg tgatggtttc tatgtgactt 120  
ccatggcaac tgctggaaat aaatgggcga ttgttatgtc ccgcaatgca gggttttcgg 180  
aacaggtatc atcatttgca c 201

<210> 9046



<211> 365  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189055f04b1  
  
 <400> 9046  
  
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 gggcctgcgc gaagagaaga gtgcagagga gcgcacagat taagcaacag caatggtgag 120  
 ggctccttgc tgcgagaagt tgggggtcaa gagaggcccc tggacggcga aggaggacat 180  
 gacctggtg gctcacatcg agaagcacgg gcacagcaac tggcggggcgc tgccgaagca 240  
 ggccggcctg ctgcgctgcg gcaagagctg ccgcctccga tggatcaact acctgcgcc 300  
 cgacatcaag cgccggcaact tcaccagcga ggaggaagaa gccatcatcc aactccacgc 360  
 catgc 365

<210> 9047  
 <211> 129  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189055f05b1  
  
 <400> 9047  
  
 gcgtccgcac ctttgttcgc ctttctctc tccctcgtga caccactccc agagaaagag 60  
 agagacagat ggcgatgcgg gcggtggcgg tgctgctgct tctggcgggtg ggcagcgtgc 120  
 tggcggggg 129

<210> 9048  
 <211> 392  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189055f06b1  
  
 <400> 9048  
  
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 gcctctgcga cctcccgccg ccagccgcag gcagatgctg ccgaccggca ggggcaggcc 120  
 tcagcccagg cctgcgccca gatcttggtc cttctcagac atggacttct ctgatccgaa 180

gcgcaactcc agatacctca gcaagatcat catgggtcgcg ctccctcacgg ccatgtgcgt 240  
 cgtcatgctc acccagccgc cctgccacag gaaggctccc agtgtgttct ccatccatga 300  
 actcggagta acacatgtgt ctggtgacgg gtggcgctgg ctacatagga tcgcatgcgg 360  
 ctcttcgact gctcaaggac tccttcagag tc 392

<210> 9049  
 <211> 399  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189055f07b1  
 <400> 9049

tgccgggcccc agttcctgaa cgccagcgtg ggggttcggcg ggtcgtgctt ccagaaggac 60  
 atcctgaacc tgggtgtacat ctgcgagtgc aacggcctgc cggaggtggc caactactgg 120  
 aagcaggtga tcaagatcaa cgactaccag aagagccggt tcgtgaaccg cgtggtgtcg 180  
 tccatgttca acacggtgtc cggcaagaag atcgccgtgc tcgggttcgc cttcaagaag 240  
 gacacgggcg acacccggga gacgccggcg atcgacgtgt gcaagggcct ggtgggcgac 300  
 aaggcccagg tgagcatcta cgacccgcag gtgacggagg atcagatcca gcgggacctg 360  
 gccatgaaca agttcgactg ggaccacccg ttgcacctg 399

<210> 9050  
 <211> 241  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189055f08b1  
 <400> 9050

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 aatcgggtga agcctgcagc tectgccgac atggcgctcg ttttgcattc aggcagcggc 120  
 aacaagaatg ccttcaaggc acttattgct gcagagtact gtgggggtcaa ggttgagctc 180  
 cccaagaact tcgagatggg tgtatcaaac aaaaccctg aattcatcaa gatgaacccc 240  
 c 241

<210> 9051

<211> 414  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> unsure at all n locations  
 <223> Clone ID: uC-tsrow189055f09b1  
  
 <400> 9051  
  
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 cgggcgctgc tctacatcat tgcgcagtgc ctcggcgcca tctgcggcgt cgggcttgtc 120  
 aagggttcc agagctccta ctacgtgcgg aacggcggtg gcgccaacga gctcagcgca 180  
 ggctactcca agggcaccgg gctcgcggcc gagatcatcg gcaccttcgt gctcgtctac 240  
 accgtcttct ccgacaccga cccaagcgc aacgcccgtg actcccacat cccggtgctg 300  
 gtcctctctc caatcggatt cgccgtgttc atgggtccacc tggccaccat ccccatcacc 360  
 ggcaccggca tcaaccagc gagaagcttg ngagctgctg tcatctacaa cact 414

<210> 9052  
 <211> 291  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189055f10b1  
  
 <400> 9052  
  
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 catagacagc ttgtttgtac ttggcaatgg agtggagatg tttggttcag ctttttatgc 120  
 ttgaatttgg gtacacttgt ttttaagatc aatagcccct agatcatagt actagactac 180  
 taatgcttgt gcaagttttc ctttaattaat tgtgagacgt gtccttcag attgaagatg 240  
 gtcatgacca atttgagtcg tgcaaaacca ttcaacattg ttggttgaat t 291

<210> 9053  
 <211> 130  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189055f11b1  
  
 <400> 9053  
  
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ggcgtcggcg gcgacggcaa cggcggcggc ggcggcgacg gcaacggcgg cggcgggtggg 120  
ggcgggggag 130

<210> 9054  
<211> 234  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055g01b1

<400> 9054

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cctcccacca gatctcagat ccgaggagct ccagtgcgcc tcccatggcg gtcaaggtct 120  
acgtcgtgta ctactccatg tatggatcatg ttgctaagct agctgatgag atcaagaaaag 180  
gtgcttcctc tgtcgaaggc gtggagggtta aagtgtggca ggtccctgag atcc 234

<210> 9055  
<211> 113  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055g02b1

<400> 9055

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cggcacctcc tctgccccgc gctcctcctc gccgtctccg cgctgtggggg agc 113

<210> 9056  
<211> 213  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055g04b1

<400> 9056

gcgtccgcta atttctttcc taccagaaaa aaaacacagt ctcgatctgc atcggcgcca 60  
ttccggcgac gccatgcgcg ccgatgagga gcgcgatgcc gtgtgcgtgc cgtacccggc 120  
gcagggggcac gccaccccga tgatgaagct ggccaaggtc ctccactcca ggggcttcca 180  
cgtcaccttc gtctacaccg agcacaacca ccg 213

<210> 9057  
 <211> 254  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189055g06b1  
  
 <400> 9057  
  
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 ccgccccgc accacgatgg accccacctc acgccccgcc gtcgtcattg acaacggcac 120  
 cggctacacc aagatgggat tcgccgggaa cgtggagccc tgcttcatca cccccaccgc 180  
 cgtcgccgtc aacgagtcct tctccgacca gacgagggcc accgccaaag ggaactggct 240  
 ggcgagcac agcg 254

<210> 9058  
 <211> 172  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189055g07b1  
  
 <400> 9058  
  
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 aagtgaagtt tatttagctg gtgacctggg agctgctgcc catggagctt tcttcagaat 120  
 ggatgagatg atgcgggggtc aaagaggctg gcgagaacta caggcactcg ga 172

<210> 9059  
 <211> 212  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189055g08b1  
  
 <400> 9059  
  
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 agctatttgt ggcgaccaag taggtacgtt agttgaccag tcaggaagga taacttaa 120  
 cacaagggcg attagctgtg ttgtagcatt gggacatttg tattctctca cggcagtgtg 180  
 catcttcgtt gattgcatgg atctttgtgg at 212

<210> 9060  
<211> 132  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055g09b1

<400> 9060

ttgcccacgc gtgctggagca ggcaactcac atccatgggt gttgataccta ctgctgggtg 60  
gaaccgactt cgcagccagt gaagaggccg taagcgtgag aggacactga gcagagctga 120  
tggtgatgat gc 132

<210> 9061  
<211> 158  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055g11b1

<400> 9061

cccgtctctc tccaccccta ccatgggagg cccagctcc tgggccttcc cgttccacga 60  
aaagagagct tagcgtgcc gagccctccg tcctctccac ttcccggctg ctttctccgt 120  
ccgtccggtc gtcaatcttc gtcgagcaga gagagggga 158

<210> 9062  
<211> 203  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055g12b1

<400> 9062

ttgttctttt ctgccccgga cagcagcact gcctaggtgt cgtgcaaacc aaaccaaacc 60  
aaaatctgct gaggtgtcct ctactcgagc aagtgtgcc atcctaggct cgctcgctg 120  
atcaatcctt cgcgtcgcca gcttcatttc gaggcgagga ggcggacgat ttgaacccat 180  
ggatatggcg cacgagaggg act 203

<210> 9063  
<211> 367

<212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189055h02b1  
  
 <400> 9063  
  
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 agcagctgat ggacgcgcgc agacatggcg acggagaccg agaccttcgc cttccaggcc 120  
 gagatcaacc agctcctctc gctcatcatc aacaccttct actccaacaa ggagatcttc 180  
 ctccgcgagc tcattctcaa ctctccgat gccttggaca agatcagggt cgagagcctc 240  
 acggacaaga gcaagctcga tgcgcagccc gagctcttca tccacatcat ccccgacaag 300  
 gcgaccagca cgctcacgat cgtcgacagc ggcattggca tgaccaagtc ggacctcgct 360  
 aacaacc 367

<210> 9064  
 <211> 287  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189055h03b1  
  
 <400> 9064  
  
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 gaggcaggag gttggtcttt cttaacctca ttgaccaact gcacccaact ggtggaatta 120  
 ttcttggaag caaacatcct tcaggagat ttgcctagtt ccattgcagg cctttcaaag 180  
 agcttagagg tattgttatt aacagcaaata aaaatatcag gcactatacc acaggagata 240  
 gagcagctca caaacatcaa acgtctttac atggaaaaaa atctgct 287

<210> 9065  
 <211> 158  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189055h05b1  
  
 <400> 9065  
  
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 cagcagtcgc cggcagcgat ggacgcgat cggaagcagc tggacgtgct gatgggggccc 120

aaccgcaacg gcgacgtgcg ggaggtcaac cgcaagta

158

<210> 9066  
<211> 98  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055h10b1

<400> 9066

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acattgatgg ggatgaggga attcttcgct acaggggt 98

<210> 9067  
<211> 484  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057a01b1

<400> 9067

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tgaagcattg aacacacacc tggcatcaaa cacattcctt gttgggcatt ctgtcactct 120

ggctgatatt gtcacgacat gcaacctcta ccatgggttt gctcgatct tgaccaagac 180

tttcacatct gagttccctc atgttgagag gtacttctgg accatgggta accagcctaa 240

cttcaagaag gtcattggcg aattcaagca ggcagagggt gtacctctg ttcagaagaa 300

ggctgctcct gctaaacaaa aggaggccaa gaaagaggct cccaaggcgg ccccaaagcc 360

agcagtagtt gaggcaccag aggaagaggc accaaagcct aagcccaaaa atccccttga 420

tctactgcca ccaagcaaga tgggtacttga tgactggaag aggctatact caaacactaa 480

gagc 484

<210> 9068  
<211> 397  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057a02b1

<400> 9068



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 ggggagtcct cggcgcccc accggacctc cggtgcccca tctccctcga tctaatacgcg 180  
 gacccagtcg tgcgcgctag cggtcagacc tacgaccgcg agtcgatcga ccggtgggttc 240  
 agctccggca agtcaacgtg cccaagacg gggcaagtct tggccaatct ggagctgggtg 300  
 cccaacaagt ctctcaagaa cctcatctcc aagtgggtgcc gggagaacgg cgtggccatg 360  
 gaagtctgcg aggccagcaa gagcgagcag gcccgagg 397

<210> 9069  
 <211> 111  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189057a05b1

<400> 9069

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 tagtcatggc cgtgggtggct gacgtctcgg cacagaacac cccgcaggac t 111

<210> 9070  
 <211> 228  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189057a06b1

<400> 9070

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 cccggcggtt gccccaccg ttgcggtgc tgctcctggc ctcccggccc tgctaccat 180  
 gccgaccctg ccaccgatgc cggctgtgcc aacggttccg gccgtgac 228

<210> 9071  
 <211> 356  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189057a07b1

<400> 9071

gctccgtcgc ttggggcgcgt aacgcgatgg ccgtagtcac accccactcg ccgccgccgc 60

agctttcatc gcccttcctg gagtatatta cggcccccgg cggcctcgac aaggctcgtgc 120

tccgtggcag gcgcagctgc tccgtggaga tccgtctttt tggaggtcaa gtaacttcat 180

ggaagaatga ccatggcgag gagttgcttt ttgtcagcag caaggccatc aagcctccaa 240

aacctgttcg tggcgggata cctatttgct ttccccagtt tggaactcag ggaaatcttg 300

agcaacatgg atttgcaaga aatcggcttt gggctattga tgataatcca cccct 356

<210> 9072

<211> 471

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057a09b1

<400> 9072

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ctagcttagc ttccttcttc tcgatctagc tagagccatg gcgccgacca agggcgaggg 120

gccggccatc ggcacgcacc tcggcaccac ctactcgtgc gtcggcgtgt ggcagcacga 180

ccgcgtcgag atcatcgcca acgaccaggg caaccgcacc acgccctcgt acgtcgcctt 240

caccgactcg gagcgtctca tcggcgatgc cgccaagaac caggctcgcca tgaaccccat 300

caacaccgtc ttcgatgcga agcgtcttat cggcagaagg tttgctgatg cccctgtcca 360

gagtgcatt aagatgtggc cgtacaaggc ttttctggc cctgcagaca agcctatgat 420

tgtagtcag tacaagggtg aggacaagca gttttcagct gaagaaattt c 471

<210> 9073

<211> 143

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057a10b1

<400> 9073

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gacggcggcg ccgatcgtga accagaagta cggcggcgtg atctcgccgt tcgggaacgc 120

ggggtgcgcg ggcctggcgg tga

143

<210> 9074  
<211> 382  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189057a11b1  
  
<400> 9074

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ttcgtccact cgtcagccat caataagaag agataatcca gagaatttaa ccaaagtgtt 180  
ggctgaggca gtgaagtgtg cacaagctct taagactgat gatctgatta ctgacactag 240  
agttaaggaa gcttttgcag agctgatgaa caaagtgtac ccgcatctac ctgagagtct 300  
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tactccccc a gttgagttga tg 382

<210> 9075  
<211> 495  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189057b01b1  
  
<400> 9075

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agggatggac caagaagttt actccccaga gcaggggaag atctgagatt gtttttgttt 180  
caccaactgg agaggaaatt aagaacaaga ggcagctgaa cagctatctg aaggcaaacc 240  
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gcagtaggaa ctcaagtggc aggaagggga agcaagagaa aaaggaggat cctgaaactg 420  
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<223> Clone ID: uC-tsrow189057b02b1

<400> 9076

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 gatgcattcc atcagattct aaatggcctt gctcgcaaac tcccgcaccc agagaccata 360  
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<223> Clone ID: uC-tsrow189057b03b1

<400> 9077

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 <212> DNA  
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<223> Clone ID: uC-tsrow189057b04b1

<400> 9078

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 <223> Clone ID: uC-tsrow189057b06b1  
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 agggagatgc tactaaggaa gcagaacacg gagaagtttt cctgatgttt acacaagggga 240  
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 <213> Triticum aestivum  
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 atcctttgcg tcaataactg cggttcttc ggcagtgcgg cgaccatgaa catgtgctcc 240  
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gaca

304

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actccacagc ttttggtgta tctagggcat tgaatcgtct tcagcaacaa cagggtgata 360  
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<400> 9082

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atggaatctc cagttgcctt gagaccacat tttccagctg ataggaaatg ggctcttggg 180  
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ggctttcccg gtcaggagaa tatgaatcat accaattata acttcagtgc agagcctatt 360  
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acaagagatg ag 432

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 tgctctgccg tgacagggac ctccggctct gctccggccg gtggcgcagc ggcgccgtcg 180  
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 <211> 327  
 <212> DNA  
 <213> Triticum aestivum  
  
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 aacgcctgct ctgccgtgac agggacctcg ggctctgctc cggccggtgg cgcagcggcg 180  
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<210> 9085  
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 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189057c01b1  
  
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gggtcctgtc tctagtgtcc tctctaatat ttccctcgatt gcttcttcgc tctattctat 240  
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tgcgcccgcc tttggttggt gcaagccagt gttggactcc caagttatcc gtgtctatca 360  
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<210> 9086  
<211> 395  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057c02b1

<400> 9086

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tgccggggcgg cggcgatcag cggccacgac gtcacgcgca tatcgagct cggccagtcg 300  
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cacatgaacc ccgcggtcac cctcgcttcc gccat 395

<210> 9087  
<211> 396  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057c03b1

<400> 9087

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gaccaagatg atgacaatgc ggcagcttta ggtgaatacc ttaagcgacc agtgcgcttg 180  
gcgagttatg cgtgggctca aggaggaggt tttgcacaga gcacacccc ttgggcggca 240  
tatttctccg acaccttcat tcgaaggaag ttggagaact acggcaaaat tcggtgtaag 300



ttacatctga agttcatggg aaacgcttca cccttccatt atggaagttt gcgtgcgtgc 360  
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<210> 9088  
<211> 395  
<212> DNA  
<213> Triticum aestivum  
  
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<400> 9088

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cgtggatctc ggagaggcgc tttgggtgca cgagg 395

<210> 9089  
<211> 411  
<212> DNA  
<213> Triticum aestivum  
  
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ccccgatccc cctccgacca gcacgcgcgc gccggcgcca agccccctcac accagcgcg 300  
cgccgcgcgc ccgatcccc tcccaccagt gcaccagggc cgccccaaac ccccttccat 360  
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 ccggcgcggc gctcgtggtg cggagcgcgc acggcgcgcg cgggttcctg tacccggtgg 240  
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<210> 9091  
 <211> 375  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189057c07b1  
  
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 <211> 370  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189057c10b1

<400> 9092

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gctacgacta caaggccgcc gcccgggacg ccatcgccag ggacaacccc gtggtgcgcg 300  
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<210> 9093

<211> 354

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057c11b1

<400> 9093

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cagaactaat gctaggagca ctaagtttga caaggtgtaa agctatacac cccatttgag 300  
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<210> 9094

<211> 355

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057c12b1

<400> 9094

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ggaagggttc aaagatgaag agtattagaa gattggaatt tggaagatgg agtcatact 180

gattgaagcc acgcagttgg ctctctcttg tcgttgatcc gattacacac ataaacgttt 240  
gcagaactaa tgctaggagc actaagtttg acaaggtgta aagctataca ccccatTTga 300  
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<210> 9096  
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<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189057d02b1  
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aattgatgtc ccagaactgt catttgagga cttgaaagaa aagactgaca attttggatc 240  
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<400> 9099

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atagatgaac ttgcagctgc atcaagggtta tactaccaac atcatgtttc gaaacggcag 360  
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<210> 9100

<211> 373

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057d08b1

<400> 9100

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ccccttccta ctccactgac gcggccttct tcttgtcttc ctctcccctt cccctcccg 180  
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<210> 9101

<211> 182

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057d09b1

<400> 9101

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gtgggtgaac acacatatgt cccggacacc cagaagggat atttggcagt tttgacatgg 180  
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<211> 489  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057d10b1

<400> 9102

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ttcgtttggt tgaacgaata tgtgtgctat tgaatgggga acatacatca aaatcgcgca 420  
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catccgatc 489

<210> 9103  
<211> 297  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057d11b1

<400> 9103

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ggcggtgcca gacgggggac tgcggcgga agctgcagt cagcgagtac gggcagggcg 240  
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<210> 9104  
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 <213> Triticum aestivum  
  
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 ggccgcatag atggcaggat caacttcatt ttgagcttgt cccacaaggt tgcaatcacc 300  
 agtatgtcag ctaaggcttc agaacgtaca tatagatgct cagatgattc acaaattggcg 360  
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 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189057e02b1  
  
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 aacatagtgc tatcttatct tatgcacaat tgttttaagg agaccgcaga gaccttccta 180  
 tccagcactg ggctaaagtg acctgttgat tatactgtag atgtggataa acgtaaagcg 240  
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 gcgccaact tgctagagaa tgacatggat tcacattatg atcttataag tcttcacttc 360  
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<210> 9106  
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 <212> DNA  
 <213> Triticum aestivum



<223> Clone ID: uC-tsrow189057e03b1

<400> 9106

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tcaggggaag aacagctgac tttttctaca tgctcttggt tgggtgctact gtcctgacta 180  
gcatcgttct gattgggtggg acaatacctt acatttctga gacattcgcc aggattcttt 240  
tcctcaacaa ttcattgacg tttatgatgg tttatgtctg gagcaagcac aatcccttca 300  
ttcacatgag cttcttgggt ctgttcacct 330

<210> 9107

<211> 201

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057e04b1

<400> 9107

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gccacaggat tatgtctcaa tcccagaaaa ctagtacagt atgtgtgaag tgtactacgt 180  
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<210> 9108

<211> 422

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057e05b1

<400> 9108

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gatgcgatta tgagtgaagt caggagtggc acgaccggtg ttctgatcac aacagatgtt 180  
tgggctcgag ggctggatgt tcagcaggtc tctcttgta ttaattatga tctcccaa 240  
aatcgtgagc tttacatcca tcgcatcggt cgctctgggc ggtttgggcg caagggtgtg 300

gcgatcaact ttgtgcgcaa ggatgacatc cgtatcctga gggacattga gcagtactac 360  
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 ag 422

<210> 9109  
 <211> 336  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189057e06b1  
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 ggctccggcg ggagggagga gggggcgagc tgagatgggg aacatctgcg gcggcgcggg 180  
 gaaggccgat gtggcgggcg actaccggcc gtccagccca ggaacatcca actacaagac 240  
 gagcggcagc gtcaccacca gcaacagcac cacggggaag ctctcctcgg ggggcagcag 300  
 caccttcattg gcctccgcgg gcagcgggtg caccag 336

<210> 9110  
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 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189057e07b1  
 <400> 9110

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 cgcacatatg gtcagttttt ggaggaaaga ttggaatgct tcaggatcct gaaatatgat 180  
 gttgaggctg aacgtttatc caaacaaggc caaggtcctg aaaagggaca cagtagaacc 240  
 agagacctag attcccagga tctgttagag cagttgccag ctttgcagca gttactgtat 300  
 cggcttggtg gatgtcggcc agaaggagct gcaaataaca actacttggg gcaatatgct 360  
 ctagctttgg tgctaaaaga gagtttcaaa attt 394

<210> 9111  
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 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189057e08b1  
  
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 gccacggcgc agccgcacgc gccgcggcct ccgccctccg caaccgcgcc ggcatgggcc 180  
 tccccgccgg caggcacatc gtccccgaca agcccctgcc tgtgaacgac gagctggtgt 240  
 gggacaatgg cacacccttc cctgagccct gcgtcgaccg cctggcgccg cacatcggca 300  
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 <211> 371  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189057e10b1  
  
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 cgcgcatatc gagcaggagc agctcgaggc gaagaaaact gaggcagaag aggacgtggt 180  
 tgaggatgat gatgatgatg acgacgacga tgaggatgat gatgacaacg atgatttggg 240  
 tgggcaagaa ggtgatgcca gtggcacatc aaagcaaagc aggagtgaga agaagagtcg 300  
 caaggcaatg ctgaagcttg gcatgaaatc catcactggc gtaagccgtg tcactgtgaa 360  
 gaaaagcaag a 371

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 <211> 362  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189057e11b1  
  
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 ggtcaccatg ggcggcgggc acgacatgca cggcggccac agcggcggag tgaagggtt 120  
 cgtgtccagc ctcgtcggcg gcggaacaaag ccacgggtac ggcggccagg ggcacggtt 180  
 cgaccagggc tacggcggcc acgggcagca gcagcacggg tacggcggcc acgtgcagca 240  
 gcacgggtac ggcagccatg ggcagcagca ggggtacggc ggccacggcc agcacgggta 300  
 ccctccgccc gccgccggtg cttgcccccc gtacggcggc taccggcgcg aaggctacgc 360  
 gc 362

<210> 9114  
 <211> 416  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189057e12b1

<400> 9114

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 gagagaagaa ctcgtcggga gggctcgaga tctgtgtcgg gagagaggga attcttgaga 120  
 tcggaatcgg aacaagcggg cgcgctcggg atcgggggta ccatacaatt tttcccagga 180  
 accttttagtg aatgtgctaa tggagtcaaa ggggtggcaaa aagtctagca gtagtagttc 240  
 cctgatgtac gaagcacccc tcggctacag cattgaagac gttcgacctg ctggaggcgc 300  
 caagaagttc tctgctgcat actcgaactg cgcaagaag ccacctgat atcgtttttg 360  
 gcatcccctt ctcgtagttt aggattttta tgcaatttta ttctgactct tttctc 416

<210> 9115  
 <211> 159  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f01b1

<400> 9115

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 gtgcctctgg agtaggaacg ggaggaggag aggggtggg 159

<210> 9116  
 <211> 353  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f02b1

<400> 9116

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 aatgcttatg aaatcatgaa gtgcaagtcg aagcaattaa cataacggga gatacatgga 120  
 cagatcacgc cccgtcaaaa ataaaatgaa atacatggac agatcacgct agcatatcag 180  
 ccagttgatc cacagatgaa cagcgtgccg atcatctgca tacaagcagc tctactagta 240  
 ctaggcaaag ctgatgttgt aggccttggc accgacggac ctgaagatgc cgaaatggcg 300  
 ctcgaacttg gcgccgggct tgccgtactg gtcgtagagg tcgaacagga aca 353

<210> 9117  
 <211> 368  
 <212> DNA  
 <213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsrow189057f03b1

<400> 9117

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 ctgcatcggg tgcggcagca acgacgacga cggcggcgac gggggcggca tggggctgga 180  
 cccaagggg ttctgtgctt ccatgatgat cgccctggtg ctcgatcatgc tctgccacat 240  
 gcccaagccc cgccgcaaca actacgtcgt ctaccgctgc tagccatcca ccagatgaa 300  
 ccagcaccgg ccgtggacgg acggatggtg gctcgcccgc cggcggccgg ccgatggccg 360  
 aggttttga 368

<210> 9118  
 <211> 72  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f04b1

<400> 9118

gcctgcatga tctgccccgac cggactccgg gaacctggag tgcacgag gggagcagta 60

tgtgggggttg gg 72

<210> 9119

<211> 372

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f05b1

<400> 9119

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atctttccag ttcaccggcc gttatggaga tgaagccgc cgcgagccg gtcaccggcg 120

tccccgtcgg cgcgggcgccg gccgcctggt cctccggcct cttcgactgc ttcgacgact 180

gcggcctctg ctgcgtgacc tactggtgcc cgtgcatcac cttcggaag gtggcggaga 240

tcgtggacag gggtccacgt cgtgcggcac cagcggcgtg ctgtacgcgc tctgtgtctc 300

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cgcgctcccga ga 372

<210> 9120

<211> 401

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f06b1

<400> 9120

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ccgcatgggt tccccagga actgatccgg cgggtggacg ctaatgcggc gccgctgaag 120

ggatctgctg cgccccgggg gttcacatgg cggcacagaa cggcagcggc ggcgcgggcg 180

tggtcctcaa cgtgtacgac ctgacgcca taaacgacta cctctactgg ttcggcctcg 240

gcatcttcca ctccgggatc gaagttcatg gtctggaata tgcttttga gcccatgatc 300

tctcaaccag tgggggtttt gaggttgaac caaaacgttg ccctggctat gtctatagaa 360

ggctctgtatg gatgggtaca actgagatgt ctagggcaga g

401

<210> 9121  
<211> 360  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f07b1

<400> 9121

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gacgaggcct tcgccggcgt cggcccgtcc ctctctccccg ccgacccta cgagcgcgcc 120  
gtcgcgcgct tctggggcgc ctacgtcgaa gacaagctgc tggcgccgtg ggggaagggtg 180  
ttcaggggtga cgaccgacga ggagagggcg gagtggacga ggcagacggt ggcggccgtg 240  
ggtcactctgg aggaaggcct gaggagtgct tccaagggga agggcttctt cggcggcgac 300  
tgtgtcgggt acgtcgacgt cctgctcggg agcatgggtg cgtgggtgcg cgccaccgag 360

<210> 9122  
<211> 305  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f08b1

<400> 9122

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tttttgcccc caagatgtcc tcccaagca agcgccgcga gatggacctc atgaagctga 180  
tgatgagcga ctataagggtg gagatgggtga acgatgggat gcaagaattc ttcgtggaat 240  
tccgagggcc tactgaaagt atttatcaag gtggtgtctg gaaggtaga gtagaactgc 300  
ctgat 305

<210> 9123  
<211> 413  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f09b1

<400> 9123

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cgctctctcg gcaaatacctt ctactccacc aagaaggccc ccatcgccgt cgacttcacc 180  
cgggctggct ggccggagca ggtccgcaag gtcctcagct ccactttcct gtacctgcgg 240  
accgggacct gtcggggat caagggtggc aggctggaca tggaggagga ggagatcggt 300  
gacaatgtga tggcggcagt ggaggctgcc gtggagaagg tgccaagaa gtgggaaaac 360  
gtgagggctc tgcatttgaa ggctgtggat tcggttgac tgccaattta cca 413

<210> 9124

<211> 379

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f11b1

<400> 9124

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agggttcggc gggtagcagt cgcccgggga ccgcaagtgg tggccctggc tcgtgcccac 180  
cgtcacgctc gcctgcgctc ccgtctttgt agtagagatg tgggtgaacg actgccccag 240  
gcacggaagt gcgctcggcg gcggctgcgt cgcgggcttt ctccgccgct tttccttcca 300  
gccgctccgc gagaacccgc ttctcgggce ctcttcacc acttttggga aaatgggagc 360  
ttttgactgg aacaaagtt 379

<210> 9125

<211> 387

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f12b1

<400> 9125

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aggcgtcgtc ggtgttcgcc gccttcgaca aggacggcga cggcaagggtg tcggcgcccg 120



agctgcgcggt ctccatgacg ggggctgtg gcgaggaggt gtccgaggag gaggcgcggt 180  
 cgatcctggc cacggtggac gccgacggcg acgggctgct ggaccaggag gaggctctccc 240  
 ggatcgccct cgccgccgcc ggagacgacg gtggggcggt cggaggcgac gacgaggagg 300  
 tgaggcggtg gtgcctaagg gaggcggttc cgatgtacgc gacggggggc ggcgaggagc 360  
 atggcgccag gatcacgccg gcgagcc 387

<210> 9126  
 <211> 249  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189057g01b1

<400> 9126

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 gacgaccaac gccggccagc cgggtgtgga cgacaacgag gcgctcaccg tcggcccggt 180  
 cggcccgatc ttgctggagg actaccacct gctggagaag aacgcccact tcgctcgctga 240  
 gcgcatccc 249

<210> 9127  
 <211> 271  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189057g02b1

<400> 9127

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 cctcccaggt tcttggtgca gcttttgcca gtctcagcag gagatttcat gtctgatctt 180  
 gacgttcaga tcccaactgc ctttgacccc ttgcccagag cgaatgctgg ggacgctggt 240  
 gcagctgccg gatcaaaaga ctacgttcat g 271

<210> 9128  
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<213>       Triticum aestivum

<223>       Clone ID: uC-tsrow189057g04b1

<400>       9128

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agaaccagaa gacaagggcg tactccaagc gtttccaagt caagttcaag agaaggcgcc  120
aggggaagac cgactacagg gccaggctga ggctcacaaa ccaggacaag aacaaatata  180
atacccccaa gtaccgtttt gttgtgcgat ttaccaacaa ggatgtcact gcacaaattg  240
tgtatgctac cattgctggg gatattgtga tggccgctgc ctactcccat gagttgcctt  300
gctatggtct tgaagttggc ctcaccaact atgcttgagc ctactgcact ggtctgcttt  360
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<210>       9129

<211>       432

<212>       DNA

<213>       Triticum aestivum

<223>       Clone ID: uC-tsrow189057g06b1

<400>       9129

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ttaccctcct gcacttaagg atgatgtttg gagattggaa aagattggaa aggacggtgc  180
attccacggg aaactaaact caaacggaat ctatacagtt gaacattttc ttcaacttct  240
tggttaaagat caacagaagt taagaagtat ccttggcact ggtatgtcaa ataagatgtg  300
ggaaagtctt gttgaacatg cgaaaacttg cgttctgagt ggcaagcatt atatatatta  360
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<210>       9130

<211>       257

<212>       DNA

<213>       Triticum aestivum

<223>       Clone ID: uC-tsrow189057g07b1

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gttgtcatgt ccttccgcaa tttgttggca aagggtgcat ttgcggccca aatgattgat 120

cttgggttgc cgcataatgt acagaatttg aaagctcaag catggagtga tgaggatttg 180

ttagatgcat cgaatcaact ggaagtgggt ctcaaagaga acctaaagag gttgaccctc 240

atttgataag taaaaac 257

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<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057g08b1

<400> 9131

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cagcatgact agcggctggc ctgagcctga gtcggagcag cggcaccaac gggaactcta 120

tcaactatcc tgtttccctt ctattatctt acatgctgtc tcttaggcgg aggatttggt 180

attatgggta tgttttgagc cttgtgaggg ttgggagagg cggcgtttgc ttttgcccag 240

aaataatggc attattattg gtttaagtga ggaggtgtgc ttttccagat acagttttgt 300

ctcgtttggt ctaccatgcc tg 322

<210> 9132

<211> 414

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057g09b1

<400> 9132

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cgaccagtg ggcaacggca ggtctgttca tctggtccct cgttgctccc ctctgttcc 240

cagacagga gttctagatc gacctgggta cctgctaaga gtgcatcatc cgtttggagc 300

acctacttat cgtatcgaac gtgtttcggc tgtgatgata gctaagctga ctatctgtat 360  
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<210> 9133  
<211> 278  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057g10b1

<400> 9133

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ggcgcggcgg atggccgcgg cgttccaggt ggcgatggcg ctggagtacc tccacgagag 180  
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catggacgtc aagctctgcg acttcgggctt cgcgcacg 278

<210> 9134  
<211> 436  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057g11b1

<400> 9134

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gaaggagaac tgttcatgct ggattagttg tgaagggtga ggaagggtgca ctttctttga 180  
caaccaaaga aagatcggcc catgcttcca aagggtattcc agtgaaccac tgctcaggg 240  
tccggacacc aagcagggca aacttctgcg aaactgacgg tatttctaga gagagcttca 300  
gagttgctgt gaatgctcag gaacttggtt tcaaatccac tgaaactcca agaactgata 360  
aatcagtact gaaaaacttg gagctggggt tgctacgcgt ggggtggagac aaagggcctg 420  
cttatgaccg aatagt 436

<210> 9135  
<211> 300  
<212> DNA

<213>       Triticum aestivum

<223>       Clone ID: uC-tsrow189057h01b1

<400>       9135

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gggccaggtc cagctgcggc gtgatcccag cagggcgaac ggtggcggcc agccgcagtc   120  
gcgttcgttc acctatcaga gctccacggg gactttatgg tgggattaat ggagcctatt   180  
ataccgcttc caagacccgg aggagtggca gcgatgggat tactgtcgaa gaaagcaagg   240  
aagcagacac tacgactaaa gaggccactc ataggatctc caggggaatt catgataagg   300

<210>       9136

<211>       408

<212>       DNA

<213>       Triticum aestivum

<223>       Clone ID: uC-tsrow189057h04b1

<400>       9136

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tctgggatgg caagagcagc gccgaggatt tggagaaggt tgccaccgac ctgagggccca   180  
gcatctggaa gcagatggct gatgctggga tcaagtacat cccagcaac accttctcct   240  
actatgatca ggttcttgac accaccgcca tgctcgggtc cgtcccagac cgttactcat   300  
ggaccggtgg ggagatcaat ttgagcacct acttctcgat ggctaggggc aacgccaccg   360  
tcctgctat ggagatgacc aagtggttcg acaccaacta ccacttta               408

<210>       9137

<211>       365

<212>       DNA

<213>       Triticum aestivum

<223>       Clone ID: uC-tsrow189057h05b1

<400>       9137

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gcccccaat ccccaaatcc tgcggcgcgg ggcctcaaat tcggcgccgc gcagcagcct   120

cgggtccggct tatggatcca gatgttctcg tgggcccgtg gcaagcagtc ctgccccgcc 180  
 tcctcctccg gccgccgagg cggggacgcc gccgccgcca tggactccgg aagcagccgc 240  
 cgcagcggcg gggggagcgg gcacggcagc ggcagcggga gcgggagccg cggacgcagc 300  
 ccgcggctgg agcggcgcaa cgcggcgaag cacatcgact acgaggcggg cgcggcggcg 360  
 acgac 365

<210> 9138  
 <211> 54  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189057h06b1

<400> 9138

tgtttgggtc ggctctgtca aggccttcca gagcgcctac ttcgtcaggt acgg 54

<210> 9139  
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 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189057h07b1

<400> 9139

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 tcggcgccgg gcggcggcag cgggaagatc gagcggctgt cgtcgatcga cgcgcagctg 180  
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 <211> 273  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189057h08b1

<400> 9140

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aaggaagcca aggaaggttc aaacaagagt acatttgaag catttcacaa ctctgcggtg 180  
 ttttcaaagg atgctgaagg ggtctctgag aagtctatgt cattatcaga ctttagaaac 240  
 tgggtgtattg tcatgccatc actgaggaaa ttc 273

<210> 9141  
 <211> 245  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189057h09b1

<400> 9141

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 attgccactt gcacttggag ttttgggagg ttatctgtct aaaaatctaa atgcacaaat 120  
 atggtccgat atactctttg attggccagc aaccaaggat ggacaaatga tgagtgtcat 180  
 actggcacgc agctacaagg acctaccgaa tcatcatttg agatcttgtt tactttattt 240  
 tgctg 245

<210> 9142  
 <211> 367  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189057h11b1

<400> 9142

tcccacgcgt ccgaattaaa attgatcact gatctgatag gatcaccaga tgattctagc 60  
 ctaggatttc ttcggagtga taatgcacga agatacatga agcaattacc acagtaccca 120  
 aggcaggact tccgactgcg cttgcgcaac atgtctgatg gtgcagttga tctattagag 180  
 agaatgctgg tgtttgacct aagcagacgc atcactgctg atgaggctct gcatcaccca 240  
 tacttggctt ctcttcatga catcaacgaa gaaccactt gtccggcacc tttcagcttt 300  
 gatcttgagc aaccatcttt tacagaagaa catatgaaag agctcatctg gagggaaact 360  
 ttagcat 367

<210> 9143  
 <211> 325  
 <212> DNA

<213>       Triticum aestivum

<223>       Clone ID: uC-tsrow189057h12b1

<400>       9143

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ctaggattta ttcggagtga taatgcacga agatacatga agcaattacc acagtaccca  120
aggcaggact tccgcctgcg cttccgcaac atgtctgatg gtgcagctga tctattagag  180
agaatgctgg tgtttgaccc aagcagacgc atcactgttg atgaggctct gcatcaccca  240
tacttggctt gtgttcatga catcaacgaa gaaccactt gcccggtacc tttcagcttt  300
gattttgagc aaccatcttt tacag                                     325
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<210>       9144

<211>       350

<212>       DNA

<213>       Triticum aestivum

<223>       unsure at all n locations

<223>       Clone ID: uC-tsrow189059a03b1

<400>       9144

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atgctgctgc tcaccgcggt gacaatggcc ggactggccg ccggagcgcg cgcgggcggc  120
atcgcgatct actggggcca gaacggcaac gagggcacgc tggcgcaggc gtgcgcgacg  180
ggaaactaca agttcgtcaa cgtggccttc ctcttcacct tcggcaaggg ccagaagccg  240
ctgctgaacc tggccgggca ctgcgacccg gcgaccagcg gctcgtgcac cttcgtgggc  300
gccgacgtca agtcttgcca gagccgcggc atcaaggtcc tgctctccat          350
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<210>       9145

<211>       405

<212>       DNA

<213>       Triticum aestivum

<223>       Clone ID: uC-tsrow189059a07b1

<400>       9145

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ttcgctcgag aagatcggat tcgatttggg tttctagggt ttgttcatcc tcatcccat   60
cccctcctcc gtcgcggtcc gtcgtcttcc ccacctcca tcaaatttgt gatttttcat  120
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cgatttccat aagatatgat ccccaactcc ttcgacacct tcctctgata tgtcccccca 180  
 ggaaatccca catccagatt ccacatacta tgggtgcgccg ccgcccgtct tcctctcct 240  
 cctcctcgtc gccgatgctc cacaagaacc tccgcgcgct cggccccggc ctcaatccgt 300  
 ttgccccctt cggcatgggc aactactccc gctaataccc cctccccctc cctctccttt 360  
 gctctgattt gcttttctcc ccggatccga tttggttctc ccccc 405

<210> 9146  
 <211> 391  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189059a09b1

<400> 9146

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 atctccagtt gccttgagac cacattttcc agctgatagg aaatgggctc ttgggcttca 180  
 gtctcgagca catccaagag aagttatgac tgaagtgctg aaggctctgc aagaactgaa 240  
 tgtatactgg aaaaaaattg gacactataa catgaaatgt agatggagtc ctctggctt 300  
 tcccggtcag gagaatatga atcataccaa ttataacttc agtgcagagc ctattgaaac 360  
 cgacgacctg ggtgacaagt taaatttaat t 391

<210> 9147  
 <211> 257  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189059a10b1

<400> 9147

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 cattttcttg catccacgac ggcaatggcc accgctgatg tccagaacct gacggccgtg 120  
 ctgacggagg aggcgccccg ggtggagacg cccgtcgccg cacgtggagg ccacgaagac 180  
 ggtggaggtc cccgcgccccg cggaggccga ggtcgaggcg cttgtccccg tcgagggttga 240  
 ggagaccaag gaggagg 257

<210> 9148  
 <211> 229  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189059a11b1  
  
 <400> 9148  
  
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 gttccgcaag gcggtggagc acctgtcgca gtactctggc gagggcggcg gcggcggcat 120  
 gctctacgtg cccgcgggcc ggtggctcac cgtgccattc aacctcacca gccacttcac 180  
 gctttttcta cacgccgacg ccgtcatcct cggcacgcag gacgtgacc 229

<210> 9149  
 <211> 336  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189059b02b1  
  
 <400> 9149  
  
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 ccgccatgaa gcagctccac aagtccccca cccacgcgcc gtcgccggcg cacgcgccgg 120  
 cgtgcaagat ctccaagccc gcgcgccccg ggccgcgcac ctgggtcggc tacctcctcc 180  
 gcgagcagcg cctcctcttc gtctctctcg gtgcgctcat cgccacctcc ttatttctcc 240  
 tgcgggccta cctcttctcc ctgtcagcct ccaacccac cgagcgaagc cccatcttct 300  
 ccttcaccgg ccactcgtag gactcccgcg gcgtcc 336

<210> 9150  
 <211> 387  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189059b03b1  
  
 <400> 9150  
  
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 tcagttgatg caagaggggtg tgcacacatc ttcattatg gcctactatt gattgtcttg 120

cagtgatcag tttgaagtct tctttcttcc tcttgctacg agttttcttg cttctctggt 180  
 gggctacagg agaggtggaa gcagataaag gcagacaggc agctcagcca ttctatgtcc 240  
 agggacttgg attgtcctgt tcagacacag atggctgttg cagtcctgga tcggagtttc 300  
 agcagtgact atcctgcaag tagcaaaact gaggggagac ctttgagctg gaagagagtt 360  
 tttgttcaaa ctgataatgg ttctgtc 387

<210> 9151  
 <211> 261  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189059b04b1

<400> 9151

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 cccatagagc catggaggac ctcttgattg catagcttcg tgagctaadc cttagagaaat 120  
 tggggcttca tgacatcttc aagaaggcta aggacgagga gaacgctcag gctctgtcac 180  
 tgtttgaggg agttgttcag cggaatgatg aaatagaaga tggtgagaaa cgagcagaga 240  
 acttgatccg tggaatctta g 261

<210> 9152  
 <211> 324  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189059b06b1

<400> 9152

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 ggcgtcgccg agttcatctc catgctcatc ttcgtcttcg ccggctcagg ctccggcatg 180  
 gccttcggca agctgactga cggcggcgcg acgactccgg ccgggctgat cgcgggcgcg 240  
 ctggcgcacg cgttcgcgct cttcgtggcc gtctccgtgg gcgccaacat ctcgggcggg 300  
 cacgtgaacc cggccgtcac attc 324

<210> 9153  
 <211> 394  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189059b09b1  
  
 <400> 9153  
  
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 agaaagagtg aaagcacaat ggtgaagctc gcattcggga gctgtggtga ctcccttcagc 120  
 gccacgtcca tcagggcgta tgtggcggag ttcacgcga cctcctctt tgtgttcgcc 180  
 ggcgttgggt ccgccattgc ctatgggaaa atcaccgatg atggcgctct cgaccagtt 240  
 ggccttgtgg cgatcgcgat cggccacgcc ttcgccctct tcgtcgggtg cgcgatcgcc 300  
 gccaacatct tcggcggcca ccttaacccc gctgtgacct tcggccttgc cgtcggcgcc 360  
 cacatcacca tcctcaccgg gatcttctac tggg 394

<210> 9154  
 <211> 302  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189059b10b1  
  
 <400> 9154  
  
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 actgtatcgg atagcgttgg aatgaagtca gaagttaagg tcgtgccggt tcgcgagcaa 120  
 gctactttct tgagaaaacg attcgttcca ggtgctttcg gaactttacc cgtaccagc 180  
 tttggccgtg tgttgtcaaa actgcctgtg agggcgaatt ttaacgcctc tgtcactgac 240  
 gatgattata tggcgggcaa gctactgtct gccgcctatg agcatcggca cattgctagt 300  
 tt 302

<210> 9155  
 <211> 327  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189059b11b1  
  
 <400> 9155

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 cggccggcaa tccatggcgc tgcgcaacct ggccaagaag ttgcggatcc ccacctctgc 120  
 tgctgcccgg ctcccgccg cccccaaccc tgctgatttc cggttcccat cggaccctgg 180  
 cgcttgggcg gcgccggtt ctccggtcga gagcgctaga gactgggatg agtttcagcg 240  
 agcacgttat gatgatgtga caacagagtt aaaaaacttc aggcgtgagg ttgtgtggac 300  
 tgaaagggcg gcttacctgt ttgattt 327

<210> 9156  
 <211> 314  
 <212> DNA  
 <213> Triticum aestivum

<223> unsure at all n locations  
 <223> Clone ID: uC-tsrow189059b12b1

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 ctcccgccg cccccaaccc tgctgttttc cnnntcccat cggaccctgg cgcttgggcg 180  
 gcgccggtt ctccggtcga gagcgctaga gactgggttg agggtcagcg agcacgttat 240  
 gatgatgtga caacagagtt aaaaaacttc aggcgtgagg ttgtgtggac tgaaagggcg 300  
 gctaacctgt ttga 314

<210> 9157  
 <211> 323  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189059c01b1

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 tgcccttccg attcctcggc tggtcgtgat ccttgggctc ctctcccgc ttctggcggt 180  
 ggcggctcca gcgagccagc caagaagcgg cagcggacct cgagctcgag ccaggctgag 240

gcctcctcct cgtcctcaca gcctccgccg cagcagccgg gggacgagag agaggtgccg 300  
gatctggggg aggacgtgat gtt 323

<210> 9158  
<211> 243  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059c03b1

<400> 9158

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cgaggacatt gctttgccaa gtgctatttc tgccaaagtt gttcatccat gggatggccc 180  
gggaacatac catggaggac ccaaactttc aatttatggc ttgcctacgg attttgctgg 240  
ccc 243

<210> 9159  
<211> 365  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059c04b1

<400> 9159

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agaaggcagt attcaaagaa attcaaaaca cttggccttg aagttcccga ggaagagatc 180  
ttcacgtcat catttgcagc agccatgttc ttgaagttaa ataatttttc tccagaaaag 240  
aaggtttatg ttgttggtga ggatggcatt ttggacgagc tcaagttagc tggctttgaa 300  
tgttttggtg gtccggagga tggcaagaaa aacatactgt tggaggcaaa cttctacttt 360  
gacca 365

<210> 9160  
<211> 342  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059c05b1

<400> 9160

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gtgcccact tcatgggggc acagaagatg aactctcact gaaagactct ttggcgggccg 180  
tgagaaatgc acctcaagca gcggtctgga ttcagaatgc cttccgtgcc ttttctttga 240  
ggaggagaca acacatggac gctcgactta aggatgaata tgggatgaca cacgacgata 300  
tagatgaact tgcagctgca tcaaggttat actaccaaca tc 342

<210> 9161

<211> 349

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059c06b1

<400> 9161

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gccatggcga tgctcaaggc ggccgtgctg tggcgcaaga gcttcggcat cgacgcgctc 180  
ctcggcgccg acctcggagt gccggagctg gagaacgtgg tgttctaccg cggcgccgac 240  
cgcgagggcc acccgtctg ctacaacgtc tacagcgagt tccaggacaa ggacctctat 300  
gagaaggcct tcggcgacga caagaagcgg gagcgcttcc tcaagtggc 349

<210> 9162

<211> 329

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059c08b1

<400> 9162

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acttcgcctg caacaaggac gagaccctgg ccgcaaacta cctgttagac cacatgaacg 180

agtttgacga cggagcgccg cagtaagaca aagcaggttg tttctgaata catgcacaag 240  
 cccatgggaa caaggggtgtg gggagactga tactcctgca ctgcgagggc aggccttaga 300  
 gatctttttg agattttgtc tcgtccttt 329

<210> 9163  
 <211> 289  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189059c10b1

<400> 9163

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 ccgatagaaa ggtgagagtt gaggggtagg tcagccgacc ggagggctgt ggaccatgtc 120  
 tggcgtgtgg gtgttcaaga acgggtgtgg gcgcctgggt gagaacccgg ggagcgagcg 180  
 gacgtctaca gtgcgacaga aggcgctgct gcacacgctt agcgggcagg tgggtgtcgtc 240  
 gtacgcgacg ctggaggcga agctgacggc gctgggggtgg gagcgctac 289

<210> 9164  
 <211> 342  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189059c11b1

<400> 9164

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 atccatgtga cccccgagga cggcttcagt tacgcgagct acgaggtcat gggcatggac 180  
 gctccggccc tggcctatgg cgacatcgtc cagaggggtcc tccgggtgctt tggcccttca 240  
 gagttctcag tggcggtcac catcttcggt ggccgcggtc atgccggcac ctggggcaag 300  
 aagctcgacg ccgaggcata cgactgcaac aacgttgtgg ag 342

<210> 9165  
 <211> 268  
 <212> DNA  
 <213> Triticum aestivum



<223> Clone ID: uC-tsrow189059c12b1

<400> 9165

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ggcggcctcg aggtactcaa ggacggcgag tggctcgacg tgcagccgct ccccgacgcc 180
atcgtcgtca acaccggcga ccaagtggag gtgctcagca acggccgcta ccgtagcgcg 240
tggcaccgcg tcctgcccac gcgcaacg 268
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<210> 9166

<211> 318

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189059d01b1

<400> 9166

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atcgcccaga ctctatataa aggtctccca tccttgatc attggtgccc cgccatgaag 120
tgcccttccg attcctcggc tggctcgtgat ccctgagctc ctccctccgc ttctggcggt 180
ggcggctcca gcgagccagc caagaagcgg cagcggacct cgagctcgag ccaggctgag 240
gcacctgct cgttctcaca gtctccgccg cagcagccgg gggacgcgag agagggtgccg 300
gatctggggg aggacgtg 318
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<210> 9167

<211> 172

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189059d03b1

<400> 9167

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aagaaatcag ttttttgtaa caaacaattc taggaagccg agaaggccgt attcacagaa 120
attcaaaaca cttggccttg aagttcccga ggaagagatc ttcacgtcat ca 172
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<210> 9168

<211> 310  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189059d05b1  
  
 <400> 9168  
  
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 gcgcgctcgc ccacggtgct cctcaagttc ctccgcgcgc gcgagttcaa ggtcaaggag 120  
 gccatggcga tgctcaaggc ggccgtgctg tggcgcaaga gcttcggcat cgacgcgctc 180  
 ctcgggcgccg acctcggagt gccggagctg gagaacgtgg tgttctaccg cggcgccgac 240  
 cgcgagggcc acccgcgtctg ctacaacgtc tacagcgagt tccaggacaa ggacctctat 300  
 gagaaggcct 310

<210> 9169  
 <211> 252  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189059d06b1  
  
 <400> 9169  
  
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 tcccaaatta gcgtctttgt tcccacaaaa aaattatggt tccgctaaat accttgctaa 120  
 caaccacga atatataatt ctagacaaaa cgacggcgtc ttcacgagcg attggatctg 180  
 agctctcgtc tcggttcata tgtgctgccg gcgtcatgac ggcgtcaata gagcgaacca 240  
 cgtcaggtgc ac 252

<210> 9170  
 <211> 408  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189059d07b1  
  
 <400> 9170  
  
 ttcgctcgcc acacaccacc cgtctcgctc tagctgctta ctctaccgc tcgccactcc 60  
 tccgccccag ctctgctcgc cctcgaccgc ggctcgccag gaaggtctgg tttgcatttc 120

ctttcaagta taaaagcaac tatattcagc atggcatttg agtaagcatc agaacctcaa 180  
aagccaagtt tgtcagcaat attatacctt tattgggtgca acacttccgt agagaagatg 240  
gtggatgacc tgttttatga gggcaacact gatcacagca tcagctctga ggacgaagac 300  
acacttgta ggagttgtag taatctcagc gtaagctttg gatattattg caattcttat 360  
cagagtttcc ctcttgaaaa tgatgagcat gacacctctc cccagatg 408

<210> 9171  
<211> 335  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059d08b1

<400> 9171

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gcatectcgg gggtcggagg cgatgacgcc gtccttgtgt ccggggaagg cggcgacgtc 120  
ctccacgacc acttcgccct cgactcctct tcttccactg gcttctccgg cgagggtcgc 180  
tggtcggagg ctgcctccga cgacgtggaa attgaatccg ggtaggatc agtggacaga 240  
tttggttctg ctatgcaaga gcagacggat cttattgggg tggtaggattc cagcgcacag 300  
ttgcaattag gctggattga tgtgactgca caagc 335

<210> 9172  
<211> 177  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059d09b1

<400> 9172

gaagtgcac atgtatcggt tgttttccct caatctctaa gccgatagaa aggtgagagt 60  
tgaggggtag gtcggccgac cgaagggctg tggaccatgt ctggcgtgtg ggtgttcaag 120  
aacggtgtgg tgcgcctggt ggagaacccg gggagcgagc ggacgtctac ggtgcga 177

<210> 9173  
<211> 292  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059d10b1

<400> 9173

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cggacgtgga tttgtacttc cacccgatcc gtctccagca gctgcgatct atgtggcgtg 120  
atgacattgg ccttctttgc cgtggcaagg gggagtctgt ggtggcgag ctcacatttg 180  
gcggccagct ctgcgtgcta caccataaac ctggggagga gcagggcgac atgaattgga 240  
gcgttttaaaa tatgccctta cctgacggcg atgacatccc aaacctgctg cg 292

<210> 9174

<211> 302

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e01b1

<400> 9174

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cctcgccgag gcggggaccg gccagcgccg ccaccgtcac cggccgca tctccgttca 120  
attcgcgaa tttggggctg aggaaagagg aggaacgact tttcgctggt ggcctgaaat 180  
tcaggacaag atgcactttc ttgcatcatt tcacggccct gcaggttttg agcttctgtc 240  
tgtttcgctg ggatggatgc caagaagttc ctgcagatgg tcgaagacaa gaagaagaga 300  
ct 302

<210> 9175

<211> 281

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e02b1

<400> 9175

tcgctttctgc cagccccaaa cccaaagcca agtcggactc ctctcctgc tattctcttc 60  
ctcgccgagg cggcgaccgg tcagcgccgt caccgtcacc gtccgcat ctccgttcaa 120  
ttcggcgaat ttggggctga ggaaagagga ggaacgactt ctcgctggtg gcctgaaatt 180  
caggacaaga tgcacttctt tgcatcattt caggtcctg caggttttga gcttttctct 240

gtttcgctgg gatggatgcc aagaagttcc tgcagatggt c

281

<210> 9176  
<211> 230  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e03b1

<400> 9176

tctttttcgt ccgaagcctt tctccaatag cggaagtttc gcgccatgtg aagaaaagct 60  
agaggaagcc caggaaaatc tgggtatccg accacatgat tatgttccag taacttatgt 120  
tgctgaagta aattggttcc aagaagagat gagatttgcc ccaacagcgt tccttgttgg 180  
actactatat tttatgggga aaaggatgca gagtggattt aatattggag 230

<210> 9177  
<211> 365  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e04b1

<400> 9177

tcgtttgact tgcgcacccc acctaacacc gcccgtggtc tgggagctgc cgccgccgcc 60  
gcggagcagg ggactcgatg ggattcgacg ggctggctgt tgtgtccgac ccttacctgc 120  
agcgccgctt cacgcaggcg gacctccgcg cgctccaggc acagtacgcg gggctgcggg 180  
acacggcgcc caccggcagg ctgctggctgc gggaccttcc cgccgcgctg accggcctgg 240  
ggagccccac cgctatggcc gccgataaag gggaagcgct gcgcggggac gccgggaaag 300  
agatcagctc gccgcccagc cgggctgctc cggacgagga gtggtcctcc gtgctcacgg 360  
ctgtc 365

<210> 9178  
<211> 325  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e05b1

<400> 9178

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 ttgaggagct cctgtacagc gatgttgaga acgatgaaca catgtttgtg ttgaaggaca 120  
 ggaacaagcc aatcatcttt tcaatggctc gtcttgaccg tgtgaagaac atgactggct 180  
 tggttgagat gtacggcaag aatgcacatc tgaaggattt ggcaaacctt gtgatcgttg 240  
 ctggtgacca tggcaaggag tccaaggata ggggtggagca ggccgagttc aagaggatgt 300  
 ccagtctcat tgaggagtac aagct 325

<210> 9179  
 <211> 349  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e06b1

<400> 9179  
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 tgctgcccgt accgactccc ggttcttttc tccggttcct cggcgatggg cgtctgcaaa 120  
 tgccgcaagg cgacgagggt ttattgcttc gtccaccagg ttccgggtctg cggcgagtgc 180  
 atctgcttcc cagaacatca attatgcgtg gtgaaaaact atgctgaatg gggtgttaat 240  
 tctgattatg actggccaca aactgctct ttgtgtaatt tagttctaga agctgcaagc 300  
 gaagaaacta cacgattggg ttgcctccat gtgatgcaca caaatgct 349

<210> 9180  
 <211> 319  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e07b1

<400> 9180  
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 cccgatcctg ctggccgccg tcgtcgccgt cgccgtcgcg ctgcagctgg gctcgtccga 120  
 ccacgcgtct ccgaggatgg accagccgcc ggatggcttc gccgccggag gtcttttcgt 180  
 tcagcacatt gatgggcaaa aagcttctcc ccctgctgta attgtgattg gcggagggat 240  
 ttcaggcatt gcatctgctc gtgccttgtc aaatgcttca tttaaggcca cattgctaga 300

gtcgcgggag cgacttgg

319

<210> 9181  
<211> 131  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e08b1

<400> 9181

tccagatttg gccgcccac cggcgctggc cgcgccag atcggagcgc ggccccggtc 60  
cgatcccgt ggcctccc caggacatg ggaatggagg tcgtcggagc tgaagctgca 120  
ccagcacagg t 131

<210> 9182  
<211> 374  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e10b1

<400> 9182

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gcgccgtcat cctgcctctc ctctggccg cgctcatcgc catctcgcgg gtagatgact 120  
actggcacca ttggcaggac gtcttcgcgg gcggcatcct tggtcagaag ctcgcgccta 180  
ttctttgtta tctctgaact cttttttttt ttactattcc tgtttttgcg ggaaatctcc 240  
aaactctctt tggtgctgac gaggtttgtc atgtccgtga aggaatggtg gttgcgtctg 300  
tttgctacct gcagttcttt ccaccacct ctgatgacaa aggcttctgg cctcatgccc 360  
acttcaggga catc 374

<210> 9183  
<211> 363  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e11b1

<400> 9183

caagcaagca ttggccaatt caccatggct gggcttcagc tctccgtcct agcggctgcg 60

ccgcctcttg tgctcgcgcc cctccatcgc cgggaccccg acatgctcca ggacgtctgc 120  
 gtcgccgacc tggcatcccc gatcaagatc aacggcttcc cgagcaaggc caacatcacg 180  
 gcggacgact tcttcttcgc cgggtctgaag aaggccggca acaccaagaa cccggctggt 240  
 tctgtcgtca cggcggcgaa cgtgcagtca ttccccgggg tgaacacgct cggcgtgtcc 300  
 atggcgcgca tcgactacgc ggttggagga cagaaccctg cgtacacca cccgcgcgcc 360  
 acc 363

<210> 9184  
 <211> 279  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e12b1

<400> 9184  
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 gcaaggcgac gagggtttat tgcttcgtcc accaggttcc ggtctgcggc gagtgcattc 120  
 gcttcccaga acatcaatta tgcgtggtga aaaactatgc tgaatgggct gttaattctg 180  
 attatgactg gccacaacac tgctttttgt gtaaattagt tctagaagct gcaagcgaag 240  
 aaactacagc attggggttg ctcctatgtga tgcacacaa 279

<210> 9185  
 <211> 243  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189059f01b1

<400> 9185  
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 gcgagagtag attggatctc gagctcagca cgcggcggcc atggaggacg aggagcacga 120  
 ggtgtactgc caggagatcc ccgtcgacgg cgaggacgtc gacatgggcy cggggggcga 180  
 cgacgccgcc aagctgcacg agctcgacta gatgaagcgc cgtctcaagg agatggagga 240  
 gga 243

<210> 9186



<211> 228  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059f02b1

<400> 9186

tcgctacgcg tgcgcccacg cgtccgccgg agtgggttcc tgctgccgc tgcggggcac 60  
catcaccgac tccggcgacc ttgtgccact gtgtacatc gccgggctca tcaccggacg 120  
ccccaacgcg caggccacca ctgttgatgg caagaagggtg gacgccgccg aggcattcaa 180  
ggcgccctgg catcgagggc ggcttcttca agctcaaccc caaggagg 228

<210> 9187  
<211> 399  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059f05b1

<400> 9187

cttgggtctt gctctcttcg ccttcctccc cggccgggtt tttctaacc taggcgccgt 60  
cggccaggaa gcccatttac cagccatgtt tggacgcag ccaaggaaga ccagcaacaa 120  
caccaagtac tacgaggtgc ttggtgtatc caagacagca accccggatg agttgaagaa 180  
agcttaccgg aaagctgcta taaaaaacca tcctgataag ggcggagacc ctgagaagtt 240  
taaagaattg gcacaagctt atgatgttct caatgaccct gaaaagaggg agatttatga 300  
ccaatatgga gaagatgcaa tcaaagaagg gatgggaggg agcggcgggc ctgatatgca 360  
tagccccctt gacatattcg aacagctatt tgggggtgg 399

<210> 9188  
<211> 394  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059f06b1

<400> 9188

ttgattggtg gtaatggttc tctgcagaga ttttctgttt tcaatcacag gtgaatggcg 60  
tgcggcagga tgagcaagct gaagcctagg aaacttgtgc acatacagct tcgaagagag 120

gtagagaccg aagtgagcag ctgctgccga aaaggccttg aaactcggaa ccgagcttgc 180  
agacaatgtg catctgtttc cctttgccat ttctggcgca gggccggct cgtcaaagtt 240  
gggatgaagc atagcaaggt tttagataga tcaaggggga aaattttccg gtccggtcgt 300  
gttatttctt ggatagcgtt tgttcattct gggtcgactc tgtttttccg tcgtcgcaat 360  
ttttctggac agagcagagt gtgcaacctg taag 394

<210> 9189  
<211> 265  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059f07b1

<400> 9189

ttcgttcgcc acgcgtccgc tccgcggcat gtacggttac gccccacgc cggcgcccga 60  
ccggccggcg tcgcccccg tcccgcgct cccggcgcca tcgcggaac aggcgaccgc 120  
gcggcggacg gcggacgagg tgtggagaga gatcaccggc ggtagcggcg gggaggagga 180  
ggcggccccg gcctccgctg gcggggcccg ggagatgacg ctggaggact tcctggcgag 240  
ggaggacggc gccgtcgtca ggggg 265

<210> 9190  
<211> 220  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059f08b1

<400> 9190

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cccatggttg agctcgcaa gctctccctc ggccgcggcg tgcccgctgt catcgccgac 120  
ccgacccgc cggcatccac cgccgacttg ttctgctcct ccgacttcgc cgccgccgac 180  
atcgaagccg ccaacccttg catcgcttc caccacctcc 220

<210> 9191  
<211> 418  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059f10b1

<400> 9191

ttcgttctgc catggtgtgc gtggcgtgcc tgatccggct ctttctcatc cccttcgtca 60  
acgcgtcccc ctaccttttt gacctctcc tcagcaaggt ttatcgcatg cttggatggg 120  
aatacaggag gcccagagaga gtcccagctg cctgcccgtt caagcctgca gcaaacaaga 180  
ctgaaggtgt ggtgggtgaa tcaaaaccag tagcaaatcc tcatgttgct agtgcaaadc 240  
ctctggtgga accccagagt gctaccacag aaatgaagaa agatgattag aacatgtaac 300  
ggtcgcccga tttgacttat gtgaacaact cactatttgt atttgagatt gtgtcgtaac 360  
cgagaaataa ttaatgtaag attgtatatt tgggcaaggg attgctaaaa tattccca 418

<210> 9192

<211> 319

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059f12b1

<400> 9192

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cgacgtcgaa tccggttccg agtccatatt tgaggtgcc aatgttcaa caggttattt 120  
gggaagccca aggagcaggc caacgccggc gcgttgacca ctttgataa gttaaagcag 180  
actcttgata tgctggagaa gaaagagaaa gtgttagaga aaaaagcagg tgctgagctt 240  
gagagggcca aggagttctc aaaagcaaag aataaaagag cggctatcca atcattgaag 300  
aggaaaaaac tttatgagc 319

<210> 9193

<211> 396

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059g04b1

<400> 9193

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aaccaatcgc ggatcgagcg attcctccga tcaggagagg cgagccggga ggaagagcac 120

ctacgcggga ggagacgaga tgggggtcac gttcaccaag ctgttcagcc gcctgttcgc 180  
caagaaggag atgcggatcc tgatggtggg tctcgacgcc gccggaaaga ccaccatcct 240  
ctacaagctc aagctcgggg agatcgtcac caccatcccc accatcgggt tcaatgttga 300  
aactgtggag tacaagaaca tcagcttcac tgtctgggat gtcgggggtc aggacaagat 360  
caggccactg tggaggcatt acttccagaa cacaca 396

<210> 9194  
<211> 394  
<212> DNA  
<213> Triticum aestivum

<223> unsure at all n locations  
<223> Clone ID: uC-tsrow189059g06b1

<400> 9194

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gctaatacaa tccatccatc ccctaatac caccgccgcc ggcctaatac cctttcctct 120  
gctacgcgcg cgatggcggc ggcgacggct ccggtggagg tgcccgtggc ggcgccggtg 180  
aggactgtga aggtcacaaa tgtttccctg agtgcaactg agcaagacat taaggagtgc 240  
ttttcttttt caggagacat tgaacatgtg gatatgaaaa gtggtgacga gtggtctcaa 300  
gttgcatatg ttacttttaa agatgcccaa ggagcagaga ctgcgctcct tttttcgggc 360  
gcaacaatag ttgacctttc tgttatcatt gcac 394

<210> 9195  
<211> 357  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059g07b1

<400> 9195

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tgaagaaaat gaataagctg cagaatgtta ggattgatga catcaatgca tctcattgtg 120  
acgacctttg ccaagccctc tcagatatgc ccctgctttc cagcttattt ctctctgcat 180  
gtgatgacaa ggagacactt tgtttccaag cactcaagcc agtttccaaa aggctccaca 240  
cactaatcat cagaggcagc tggggtgatg aggactcaa gtgcccaata tttcagggtc 300

atgggaagaa tctcaagtac ctggctctag tttggtgcaa tcttggaat gaagacc 357

<210> 9196

<211> 413

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059g08b1

<400> 9196

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atctcttggg ggtcacttgc ctatggatcc tctcatgcgc cttgctgctc ggcggcgctt 120

gctccgatgg gttgctgagg atcaacctga gcaagaagag gctgaacaag gaaaccctaa 180

cagccgcgaa atcggcgagg caggagacca acctgctgag gcccgcgat ggatctcgcc 240

actctctcgg cctgtcagac gatgacatag ttcctctgga caacttcctt gacaccgagt 300

acttcggaga gatcggcgctc ggcacgccgc cgcagaactt cacggtcata tttgacaccg 360

ggagctcaaa cttgtgggtt ccgtcgtcga aatgctactt ttcgatagca tgc 413

<210> 9197

<211> 331

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059g09b1

<400> 9197

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tggcagcagc aatgcacccg aggctcgttg ccgtggcggc gctggtcgcg ctgatgtgcg 120

ccgttgctgt gggccaggta cctgccgccg gcggtgcgcc agtgtgcgac ggtgttgatc 180

aggacgtcgt gaatgcgtgc ttcaagagct ttggagaagg tatgaaaaat gccattgcag 240

acaggcatct ttcggggggc aaggtcatta aggttgagat ggactgctgc atagcctttg 300

gaggccactc ctgcctctgc aagatgaaga a 331

<210> 9198

<211> 178

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059g12b1

<400> 9198

tctgtgtgat actacaccaa ctatttattt ttttctgttt cgaggactca ttacacaacc 60  
atgttagaaa tgagtgtgta ttcttcataa aaacgatgcc cggtcggctt gtaaagcgga 120  
actatttgcg catctgtaga tgattttcct ccattgtgcg catcttcaga gagtgaac 178

<210> 9199

<211> 88

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059h01b1

<400> 9199

tcgtttgcct ctggactctg ctgttctatc ggggatgttg cattttcttg gccatgaaca 60  
agctcaaaaa gatggctctc atgggtgat 88

<210> 9200

<211> 235

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059h03b1

<400> 9200

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ccgtcgatct ccacaaggcc ttcaaagggt tcggctgcga cagcacgacg gtgaccaaca 120  
tacttgctca ccgcgactcg gcgcagcgcg cgctcatcct gcacgagtac aaagccatgt 180  
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<210> 9201

<211> 292

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059h04b1

<400> 9201

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 atcctgcacg agtacaaagc catgtaccat caggatcttt accatcgcct agcaaccgag 180  
 ctgagtggaa accacatgaa tgctatgctg ctttgggtcc tcgaccctgc tgggcgtgat 240  
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 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189059h07b1

<400> 9202

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<210> 9203  
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 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189059h11b1

<400> 9203

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 gaggaggggtg gcgccgccgg cagtgggcca tgcgggggcg ccccggggtgc tgcaggcggg 180  
 ggacgcgctg ccgctcccga tccggcacac gaacctcatc ttctcggcgc tcttcgcggc 240  
 ctgctcgcc tacctgatgc ggcggtggcg cgagaagat 279

<210> 9204  
 <211> 363  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189059h12b1

<400> 9204

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gcgccagctc tacgggtcgc cgccgcgcca cgggtccagtg ctgcgaccga ggaggccgca 180  
ggcggagcca tgccacggtc tgctggcgct gcgaccgagg acgaggcgct gcggcgcttt 240  
cgggcaggac cactacggtg gcgcgctggt ggacgagggc atggcggtgc tccggcgag 300  
gatccgagag gcgcggatgg ccgtgaccaa ctacgaggcg ccggcgggat gggcggactg 360  
gga 363

<210> 9205  
<211> 362  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a01b1

<400> 9205

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gggtgcgcga tttccaccac aaaaaagctt gatgttacac caccatttca cctatgacat 180  
cgtcgttaat cagcgatcac ctgaccacct tagaataaaa caatgcaccc gaagaacgct 240  
atacttcagc aacgtagtat gttcagagct ggtgctgatg ttgttgctgc tgatcattgc 300  
ttaacattgc cgaaaagggg ctggagaacg gtgttaccta acccggggac cggcgacagg 360  
aa 362

<210> 9206  
<211> 277  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a02b1

<400> 9206

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ctttttcact ggggtcaaag acaacctgaa gaagtggatc ggacacccaa gatttgaact 180



catccgtcac gatgtcaccg aaccactgct cgtggagggtt gaccaaactct accaccttgc 240  
 ttgccctgcc tcaccaatct tctacaagca caaccct 277

<210> 9207  
 <211> 280  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a03b1

<400> 9207

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 cagcaggatt cagttttatt caatttaata cacagaattc aagctatgtg catatagttg 180  
 tgggcttgtg gcatgccacc atctgtgata tgtgaatctg agggcaaaac actcgaactg 240  
 aatcaacaat gcctgaaatg tatacttctt gagctctcaa 280

<210> 9208  
 <211> 371  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a04b1

<400> 9208

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 gggttgcaca ggaaaggggt gaggtgcgtg gtgctggagt cgtcggccac gctgcgggcg 180  
 tcgggggttcg ccttcaccac atggaccaac gccttgcgcg cgctggacgc cctcggcgtc 240  
 ggggacaaga tcaggagagca ccattctctc tacgaaaggc tgggtggcttt ctctgcatcc 300  
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<210> 9209  
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 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a05b1

<400> 9209

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agaagaccta ctgcaagaac aaggagtgcg agaagcacac cctccacaag gtcacacaat 180  
ataagaaggg aaaggacagt ctttctgctc aggggaagcg tcgttatgac cgcaagcagt 240  
caggatatgg tggccagaca aagcctgttt tccacaagaa ggccaagaca acaaagaaga 300  
ttgtgctgaa gctgcagtgc cagagctgca agcattactc acagcgcgct atcaagaggt 360  
gcaagcactt tgaaatcggg ggagacaaga agggcaaggg aacctctctt ttctagctga 420  
tga 423

<210> 9210

<211> 228

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a06b1

<400> 9210

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aaaaggcgca tgtagaagga tgttaatgaa gtgacaaaag ttgcacggct cacaaaatca 120  
aaacttcagc aattgaataa agagaatctt gcaaacagag aaaagccgga ctttcacaag 180  
ggatcagggtg tggaccgatc tcggacctca gtgacaatta cattgact 228

<210> 9211

<211> 307

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a08b1

<400> 9211

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cgccgcctcg ccacaggctc acggttattc aagatggaac acaaggaggc gggttgccag 120  
cagccggagg gcccaatcct atgcgttaat aactgtggct tctttggcag tgcggcgacc 180

atgaacatgt gctccaagtg ccacaaggag atgggtcatga agcaggaaca ggccaagctg 240  
gctgcctcct ccttcgatag catcgtcaac ggtggcgacg gtgggaaagc acctgttggt 300  
gcggctg 307

<210> 9212  
<211> 255  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189065a09b1  
<400> 9212

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gagttggagg caatgctatg aatgctggtc tttatgatac acagggttac tacaatatga 120  
gcatgaatca tccacatcag cctgttcata gatctctgcc aaatttaggc gttgattcag 180  
gctatggctt accatcaa atgtacaacc cttgcatgtc aacatctatg aacagatttg 240  
tctttcatgc tcaga 255

<210> 9213  
<211> 208  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189065a10b1  
<400> 9213

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tggccatagt catggccggg gtggctgacg tgtcggcgca caacaccccg gaggacttcg 120  
tcaagctgca caaccgcgcc cgcgccgtgg acggcgctcg tcccgtggca tgggacaaca 180  
acgtggacag gtttgcgag gactgggc 208

<210> 9214  
<211> 292  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189065a12b1  
<400> 9214

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tccggtctttg tgtacgagtg gttacctaaag ggaaaccttg aagaccgcat tctgtgtgcc 120  
gatgacactc cacctgtatc atggcacatc cgtacacaga tcatccgtga gggttgctgt 180  
gcactactct tccttcattc acacaagcct aatgcctcgg tccacggcga tctccggcct 240  
tgcaacattc tcatcgggtgc tgactacaga agcaagctct acaactttgg ta 292

<210> 9215  
<211> 433  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065b01b1

<400> 9215

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cttcgccttc gggcacgacg tcatgagagc caaatggcgc aagctcagcg ccgtcgtgtc 180  
gcgctcccg cggatctcgc tgcagaacat ccctccgcag tactgcacct acttcgacaa 240  
gatcagggag ccatccccag cttatgcgtg ggtcaagtgt gagagggagg aagacagtga 300  
ctgctccgac gtgctgtctca aggccaagat aatcacacgg tccggcgtct ggaacgacgc 360  
cagcagccgg tacacgagga taagcctcat caagtcccag gacgacttcg acctgctcct 420  
cgagaggatc aca 433

<210> 9216  
<211> 387  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065b02b1

<400> 9216

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gtggagtggc ccacctgcac tctcgggtact gccatggatc tgcggcggcc tcgtggcctc 120  
ggtgctgctc tggcaagccg cccggctgct cgaccagctg tgggtggcggc cgaggcggct 180  
ggagcgggcg ctccgctccc agggcctccg cggcacgcgg taccgcttcc tcctcggcga 240

cgtcaacgac tacgcccggc agaccaagga ggcgtcgtcg ggggccgccg atgccgctgc 300  
gctgccacga cgttggtccc cgcgccatgc cgttcctcta cagcaccatc aaggagcacg 360  
gcacgccgtg catcttcttg ttggggc 387

<210> 9217  
<211> 339  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189065b03b1  
<400> 9217

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atgcacaaa gaggaagagt atgctagtcg tgtcagaatt cataggttgc tcgccatcat 120  
tgagtggagc aatccgggtg aacccttgga acattgatac aacagcagag gcaatgaacg 180  
agtccattgc tttgtcagag aatgaaaacc aattgcgcca tgagaagcat tatcgatatg 240  
tcagcacaca tgatgttgcc tattggtcta agagctatat tcatgatctg gagagaagct 300  
gcagggacca ttttaggagg aggtgctggg gtattggac 339

<210> 9218  
<211> 308  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189065b04b1  
<400> 9218

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tgatgggatc ttgaaattat tttcaagaaa agttcttgct gtaattctca aagtactctc 120  
tcttttgcgc ttgttcactc gccatgagca acagttggaa aatgttcac cactactgc 180  
agccgtaccc agtaatcaac caaatcttca gatagttaag gaagaccgag taaatccttg 240  
tctggagcgt cttgaaagac ttgaatcgat gtgtaatcaa ctcagcagaa agcctcctga 300  
gatccac 308

<210> 9219  
<211> 322

<212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189065b05b1  
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 aagctagcta ggctcagaaa tcttctaggg ctatagtaca cacactttgc actacgtact 180  
 cacgtgtggt gtgatcacgt cgtcgtcgtc gtcgtcgaca tggtcggaag cagcccccattg 240  
 caggctgtgc tgggtggcgcc ggggggtgaag ggcaagcagg tgctccccta caagcggggac 300  
 gcgctcaagg agaagcacgc ca 322

<210> 9220  
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 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189065b07b1  
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 aatcttggtt cctggtgaca ttgtcagcat caagctcggg gacatcgtgc ctgctgatgc 180  
 tcgtctcctc gagggtgatc ctttgaagat tgatcagtct ggacttacag gagagtctct 240  
 cccggtgacc aagaaccctg gggatgaggt cttttctgga tcaacgtgca agcaggggtga 300  
 gattgaggct gtggtcattg cactggagt acacactttc tttggcaagg ctgctcatct 360  
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<210> 9221  
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 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189065b09b1  
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 catgggacaa caacgtggcc aggtttgcgc aggactgggc ggcgagcgcg gccggcgatt 240  
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<210> 9222  
 <211> 170  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189065b10b1

<400> 9222

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 aatcttctag ggctatagta cacacacttt gactacgta ctcacgtgtg 170

<210> 9223  
 <211> 313  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189065b12b1

<400> 9223

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 gatacacggg acaggcgcg tgggatgcct gccggcgaag cttgcgatgc cgagggccag 240  
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<210> 9224  
<211> 369  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065c01b1

<400> 9224

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gtatgagagg accgtcacca tgaactctct ggggaagacg ttctccttaa ccggatggaa 180  
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cgggcttaa 369

<210> 9225  
<211> 356  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065c02b1

<400> 9225

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gctcgtgcca ttcaaccggg agtacctcga cgagtccgtg atgtggacgg agagcggcga 180  
cgtcggcaag ggcttccgct gcattcgcat ggtgaacaac attcgactaa actttgacgc 240  
cctcaacggc gacaaggacc actgcggcgt gcacgacggc accaccgacg ttctctggga 300  
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<210> 9226  
<211> 131  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065c03b1

<400> 9226



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<210> 9227  
 <211> 382  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189065c04b1  
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<210> 9228  
 <211> 339  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189065c06b1  
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 ggtccccgcg cccgcggagg ccgaggtcga ggcgtctgcc cccgtcgagg ctgaggcgac 240  
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<210> 9229  
 <211> 363  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189065c08b1  
  
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 <213> *Triticum aestivum*  
  
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 <212> DNA  
 <213> *Triticum aestivum*  
  
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<400> 9231

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gaaaagggtta aagcgggtcg gaaggggaga aaagtaagcg ccgcgcaccg taatcggaac 180  
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cgaggcggga gcaggagggg agcgggtggag atgggtgagcg ccttcttctt cttctgcggg 300  
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<210> 9232

<211> 309

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065c11b1

<400> 9232

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ggcgtcggag gcggagggcc tgggtgcggat cgcgctgaag aagcgccaca tcgaccggaa 180  
cagccgcgtc gccgcgagcc tctccgaccg cgaggagggg cagcaccacc tactcggcgg 240  
cgccaacacc ctccgctccg aggaggaggg cgacatcgtg tgcctcaaga actacatgaa 300  
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<210> 9233

<211> 316

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065d01b1

<400> 9233

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gcgaatcaca tcgcagagcc aaggcagcag cctcatcgcc gccggtgggt cgcttctctg 180

cgccccacca agccccgaat caaagccggg gctgcgcctc cctccctgct attggtgttg 240  
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<210> 9234  
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 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189065d02b1  
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 gcgttggtccg aggccacaac ctgctcatcg ccgaccgct caccacacc agcgaccct 180  
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 atcccttatg gaatgacgta ctggtgctcc ctgtcacaaa tcctacaaag ccagtgaaac 300  
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<210> 9235  
 <211> 408  
 <212> DNA  
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 <223> Clone ID: uC-tsrow189065d03b1  
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 agagcgacgc cctctacacc tacatcctcg acaccacgt cttccccgt gagcacgagt 180  
 gcatgcgca cctgcgcctc atcaccgaca agcaccatg gggctacatg cagtgcgtcgt 240  
 cggacgaggc acagctgctg gggatgctga tcaagatggc gggcgccaag aagacgatcg 300  
 aggtgggctg gttcacgggc tactcgctgc tggccaccgc gctggcgctc ccggaggacg 360  
 gcaaggtggt ggccatcgac accgaccgcg agtgctacga ggtgggccc 408

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 <211> 348  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189065d04b1  
  
 <400> 9236  
  
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 tcctcctccc cacagccaga gcccagcagg aataccggga ggaggaggag ttcagctact 180  
 cgctggacgc agagaatggg ccggcgcaact ggggcgacat caaggaggag tgggtccgcgt 240  
 gcggcaaggg caacatgcag tcgcccacgc accatgcag cccgcgcgtc tcctcgtgc 300  
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 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189065d07b1  
  
 <400> 9237  
  
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 gagacggtca ccatcgagct caagaacggc actaccgtcc acggcaccat caccggtggt 180  
 gacataagca tgaataactca tctgaggacc gtaaagctca caatgaaagg gaagaatcct 240  
 gtaacccttg atcacatcag tgtgagagga aacaacattc ggtactacat gctacctgat 300  
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<210> 9238  
 <211> 219  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189065d08b1

<400> 9238

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atgttgatg ggtcaagatg accgcatgta tgaaatgcaa ccctagagtg attttaattg 180  
taaaagattg ttcttgagaa caatttttgg gtccaagga 219

<210> 9239

<211> 270

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189065d09b1

<400> 9239

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tgtttccttg ttttgagaat attggttggg taaattgtgt ttagttcct gattacagtg 180  
aggaaagaag aaaaagggtg gcatccctt gccccgatg ttgtaatgta gaaaaagaat 240  
gacttgtcag taacaatgtg aagtattttt 270

<210> 9240

<211> 373

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189065d10b1

<400> 9240

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tcaaattggt cctgaccggg catggctggc cggcatccag atctcgtcaa cgagcccttc 180  
atcgcacaca ttcagtctca tgtcctcaa ccattcagc gtcttcaaag aagccatccc 240  
tggcggcggt tcatcaagga tgtgcacgcc ggggcagagc ggcacgtgct cgccggtgat 300  
ccctggcatg gcgcggcacc cggacgttca catgatggac gtggtctccg acgagttcgc 360  
gtttggaagc agc 373

<210> 9241  
<211> 297  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065d11b1

<400> 9241

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cgagaggccg tcggatgact tcgaccgaa gaaccctac ggggaccgg tggcgatgct 180  
ggagtacagg gagcacctgg tgcgggagaa gtggatccag atcgagaccg ccaagatcat 240  
ccgcgaccgc ctctgctggt gctaccgat cgagggcgtc aaccaccacc agaagtg 297

<210> 9242  
<211> 352  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065d12b1

<400> 9242

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ggccgccgga tgacttcgac ccgaagaacc cgtacgggga cccggtggcg atgctggagt 180  
acagggagca cctggtgcgg gagaagtga tccagatcga gaccgtcaag atcatccgcg 240  
accgcctccg ctggtgctac cggatcgagg gcgtcaacca ccaccagaag tgccgtcacc 300  
tcgtcgacca gtacctctag ttcaccgcg gcgtcgggtg gggcaaggac ca 352

<210> 9243  
<211> 345  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065e05b1

<400> 9243

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tcatggggat cctctcacac gtgaacgccg actatttccc caagtgctgc aacagttgca 180  
ggtcctttctc ggggggtcgac gtctgcgacg acgcccaccc ccagtgtccc aagggtgct 240  
cggcctgccg cgtggtgacg cccagccctc acaagacgtt ccggtgcgcc gacatgaaga 300  
gcaccgtcga cggcacctgc ggcggggccat gcaaaaagca ctgat 345

<210> 9244

<211> 414

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065e06b1

<400> 9244

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atcacggggc atcctgtatc tgcacacgga agccgaccct ccgatattcc atcgcgacat 180  
caaggccagc aacatcttac tggactccaa gtttgtagcc aagggttgctg atttcggcct 240  
gtcgcggctg gctccgctgc cagacacaga ggggagcgcc cctggccacg tgtccaccgt 300  
cgtcaagggc actccaggtt atcttgacct ggagtatttc ctgacgcaca agctgacgga 360  
caagagcgac gtgtacagcc tgggcgtggt gttcctggag ttgcttacag ggat 414

<210> 9245

<211> 239

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065e08b1

<400> 9245

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ggaccagacg ccgcagcgcc gccgccggag acgcgccgag gtcgccccct ccgacggcgc 120  
tccgggcgcg gcggagtaca gcctcgacga gccgacctg gcggagaagc tcgcggccct 180  
gagcccgcgc gccgaggcgg ccggtggcgc cgccgtggtg ccctccagcg cggactccg 239



<210> 9246  
 <211> 225  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189065e09b1  
  
 <400> 9246  
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 ggccggatga ggaatcctga tgagaagccc atattttattg aaacacagca gccagcagca 120  
 cctgtgcaac aggagcctat cccatcaaaa ggcgccttga aacaagcaaa ggaagctgct 180  
 gctcctcaag tcgtcgctcc caaagaagag ccccttgcaa aagca 225

<210> 9247  
 <211> 272  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189065e10b1  
  
 <400> 9247  
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 ttcccctaga tcaggaggag cagccgcac cggagcgccg agacctcgaa gccttcgtct 120  
 ccacctcgga gcagagatgg ggctcacgtt caccaagctg ttcagccgcc tcttcgccaa 180  
 gaaggagatg aggattctca tggttggtct cgatgccctt ggtaagacca ccattctgta 240  
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<210> 9248  
 <211> 279  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189065e11b1  
  
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 cgacgccaag ttggcggatga agagcaaggg ggcggtgaag ccggccgcca aggggaagaa 180  
 gggcaaggcc ggcaaggacc ccaacaagcc caagaggcg ccattccgct tcttcgtctt 240

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279

<210> 9249  
<211> 255  
<212> DNA  
<213> Triticum aestivum

<223> unsure at all n locations  
<223> Clone ID: uC-tsrow189065e12b1

<400> 9249

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aaggttcaga agaacggtac aggccaacat ttaccttcgt ctcggccgaa gcgtaaggta 120  
gcccattccat atccgcagaa ggcctctaaa actgcccctg tagcatccca agctgtttta 180  
ccacaacaac ctgctcctgc tgcccctcct acgagggatc aagatggtgt taatgtgtct 240  
atggaggcat ctatg 255

<210> 9250  
<211> 321  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065f03b1

<400> 9250

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cccgaggttc cctccccacc aacagcctcg ggtctatgct ggcaaggga cttgcattac 180  
cctgtgtatg acggcgccat gttcgtcctt gaagcaccct ccctgcagag ctcccaggac 240  
cacttcaactg catctgctgg tttcaagcgt tcaaggagag agttttgaat acccgaaaga 300  
atatagcggt ggacatatct g 321

<210> 9251  
<211> 411  
<212> DNA  
<213> Triticum aestivum

<223> unsure at all n locations  
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<400> 9251

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ataaatggat tatcttctac atacgccaat ttctgctttg gatggataaa cgttaaagat 180  
gttgccctgg cacatatcct tgcatatgaa gttccttcag caaacggaag atattgtatg 240  
gttgaaagag tcattcacca ctcggaacct gtcaagatca ttcacgagat gtatcctgaa 300  
tttccagtgc cagacaagtg tgcagatgat gcgccgtttg cccaatcta ccaggtatca 360  
aaggacaaga taagaagtct gggcatggag ctgacacccc tggagacgag c 411

<210> 9252

<211> 355

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065f05b1

<400> 9252

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cgtgttcgct tcgatctcgg ggtaagctga gttcggcgtc catgatttgt tcctatcacc 180  
cgtttggtat ctgattctca ggtttctcct tctgatcggc gagttggggc ttgcggcgat 240  
cttgagcat agacgggagg caagctggat ctgcgcacgg aagcttcga tctgaccggc 300  
tggcgtctca gatctgctgc tggctgatg ctaaacggcg gatctagatg ttccc 355

<210> 9253

<211> 460

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065f06b1

<400> 9253

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caaaagtagg agggagagga tgagcaccat ggcgatgtcg gcgctgaacc cggacgcgcc 180

catgttcac cccggcggcgt tcaagaaggt ggaggactac tcgcccaggt ggtgggagct 240  
 cgtcaagacc accgcctggt tccgcgacca ctggttccgc cagcaccaac tctacgagga 300  
 cctcgccgac aacgtggacg tggacgacgt cgcgcgcctc ctccccgacg actccgtcga 360  
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<210> 9254  
 <211> 300  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189065f07b1  
 <400> 9254

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 cagcagcatg gataccctca gcaaggctac cctcctcagc atggctaccc accgcagcag 180  
 catggctacc ctccacagca gcatggctac cccctgctg gctaccctgg ctcatctggt 240  
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<210> 9255  
 <211> 292  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189065f08b1  
 <400> 9255

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 tccagacggc cagcttctcc ggctctccc tcggcgactc catctggtcc cccgccgacg 180  
 ccgcccccg cgcccgcaac gccgacctt tctccccctt cccggcgccc gacaacaaca 240  
 acgccgtcaa gatgaacggc aacggcctca acgggcccgg ccttatcggg tc 292

<210> 9256  
 <211> 430

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<212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189065f09b1  
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 ggcgagtatg ccggtgggta catatatggt gaaggcacgt aactgggaca ggataacatc 180  
 gtctacaagg gacggtggaa gctgaaccgt aagcatggtc tcggatgcca gacatatacct 240  
 aatggggaca tgtccaagg ttcttggtt caggagaaaa tacaagggtca cgggaaatac 300  
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 ggaacattta cttggaaaaa tgggtgattcg tacgaaggca actgggttaga tggcatgatg 420  
 catgggtatg 430

<210> 9257  
 <211> 116  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189065f11b1  
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<210> 9258  
 <211> 204  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189065g01b1  
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 ccgccgtgag ggccgccgac gactcgtcgg agaccgacca gctcgactcc atgtccacgg 180  
 aggacatcgt ccggggccacc cgcc 204



<400> 9261

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cgactatttg cccaagtgtc gaaacaactg caggctcctc tccgggggtcg acgtgtgcga 180  
cgacgcccac cccaagtgcc ccacgggctg ctggcggtgc cgagtgggtg caacgagccc 240  
tgaaatgtgg cgctgcgcgg atatgaaatc caccggcgac ggcacctgcg gtgggccctg 300  
caagaagtac tgatcggctc atgccagcat gatatg 336

<210> 9262

<211> 424

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065g08b1

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agccatttct gaatatagga ggtctcttct caataactgg aatcttgatg gagagaccat 240  
agctaaaata caaaaggaat ttgctgtttt tcttctgtac agtggctgtg aagccccgcc 300  
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tacactcctt ttaatgattc tattgagaaa gttaaatctg aggagggttg agcgggatcc 420  
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<210> 9263

<211> 397

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065g09b1

<400> 9263

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tcctcgagct tgtcggctctg gagatggacc tcccagtcac tagtaaggct aacctgctta 180  
atcctctgct gctcttttga aacgatgctc taaaaggat cactgccggg gaatgattgt 240  
cgagtgaatc tacttggttc atttcatgct atttggtgct ccagaacttt ggagatgaat 300  
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<210> 9264  
<211> 401  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189065g10b1  
<400> 9264

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catcgtcaag agggctctcc ggtgctttgg cccttcagag ttctctgcgg cggtcaccat 300  
ctttgggtggc cgcggccacg ccgccacctg gggcaagaag ctcgacgccg aggcatacga 360  
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<210> 9265  
<211> 351  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189065g12b1  
<400> 9265

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atccctttct tcgcctccag ccacatcgga cccttcaccg agctcgccgt tagccttgcg 120  
acggccagac cacaggccgt agaggccacc atcgcggtga cgccggcgaa cgtgccgttc 180  
gtccggtcgt tgcctccagc gcacgagaac ggcagtggca taccggtgaa ggtggcgacg 240  
taccggttcc cggcctgga cggcctcccc aaggcgctcg agaacctcgg tgcggcagcg 300



cacgccgacg catggcgcat cgacgtggct gcgctgagcg attcattgat g 351

<210> 9266  
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<212> DNA  
<213> Triticum aestivum  
  
<223> unsure at all n locations  
<223> Clone ID: uC-tsrow189065h01b1  
  
<400> 9266

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gcacacctgca aaaggcgag gagggagtac ggtgggtggt gggcggaag ggccgggtgg 120  
aggagtcgga cctggcgag ctccactaca tgcgcgcat catca 165

<210> 9267  
<211> 312  
<212> DNA  
<213> Triticum aestivum  
  
<223> unsure at all n locations  
<223> Clone ID: uC-tsrow189065h02b1  
  
<400> 9267

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ctgtgatgtt cctgggtttg aaaacactag gatgaagctg ctgagacatg tttcctttgt 120  
tgattgcccg ggctcacgac attctcatgg ctacaatgct taatggagca gctatcatgg 180  
atggagcctt gcttttgata gcagcaaatg aaagctgccc acaaccccag acatctgagc 240  
atcttgagc tgctgagatc atgcgtctcc aacatctcat aattttacag aataagattg 300  
atcttatcca gg 312

<210> 9268  
<211> 510  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189065h05b1  
  
<400> 9268

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ggacaacacg aggcttgcca ttgctgcat tggcaagctc atgtttgcc agttctcgga 120  
 gctagtaaac gacttctaca acaatggctt gccctccaac ctctctggtg gccgcaatcc 180  
 aagtcttgac tatggcttca agggtgccga gatcgcaatg gcgtcatact gctcggagct 240  
 ccaattcttg ggcaaccctg tgaccaacca tgtccagagt gcggaacagc acaaccaaga 300  
 tgttaactcc ctcgattaa tctcagcccg taagactgcc gaggccatcg acattctgaa 360  
 gctcatgtcc tctacatttt tggttgcgct gtgccaagcc atcgacctgc gccacctcga 420  
 agaaaatgtc aagaatgccg tcaagaattg tgcacaaga gtggctagga agaccctgtt 480  
 cacacatgac atgggtggcc ttcacaacgc 510

<210> 9269  
 <211> 405  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189065h06b1  
 <400> 9269

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 agtgccgaga tagtttgag caactactgg agagcatccc gagcatgttt gaaaacaata 120  
 gggttgctga ttcagcgttt ggagcagcta tgaaggcagg tttcctagca atgaagccca 180  
 ctgggtgaaa gttgcttggtg tttcagtcgg tgctgccatc agttgggact ggttcattat 240  
 ctgcaaggga aactgaaggt agatcaaata tttcgagtgg agataaggaa gcacataagc 300  
 tctgcagcc tgttgataag aactcaaaa caatggcact agaatttgct gagtatcaag 360  
 tttgtgtaga tgtgttcctt accacacagt catacacaga tgttg 405

<210> 9270  
 <211> 279  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189065h09b1  
 <400> 9270

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 cggagccgtc ggtcaagccg atctgggtccc gcgacgccat cccaacccg cccaagccgc 120

cgctcggccc gccgccgtcc ttcacggcct tcaacttcgt caagtccacc gtcgagatct 180  
 cgctggacag catcaagcgc gtcaaggacc aggtcgccgc cgagacggcc cagcgatgct 240  
 ccaccttcga cgtggtgacc gccatcatct tcaagtgcc 279

<210> 9271  
 <211> 205  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189065h10b1  
 <400> 9271

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 ggaatcctac accggcgaga aagaagctac gagcagagag agatggaggc cgtgcatgag 120  
 ggcaatggag gaggggagcgg tctggtggtg acggagctga gccacagtaa ggagctggtg 180  
 aagcagctgg acgtgcacct gggggg 205

<210> 9272  
 <211> 371  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189067a02b1  
 <400> 9272

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 gctccggcca tggcggcgac gatccagtcc gtgaaggccc gccagatctt cgacagccgc 120  
 ggcaaccca ccgtcgaggt tgatgtgtgc tgctcagatg gaacctttgc cagggccgcc 180  
 gttcccagcg gtgcatcgac tgggtgtctat gaagctttgg agctgagga cggtggatct 240  
 gactacttgg gcaaggggtg ttccaaggct gttaacaatg tgaactccat tattgcaccc 300  
 gctttggtcg gcaaggaccc taccgctcaa actgagctcg acaactttat ggttcagcag 360  
 cttgatggaa c 371

<210> 9273  
 <211> 345  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189067a03b1

<400> 9273

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gcggcagttc cactccctcg ccatgggcaa gattaagatc ggaatcaacg gttccggacg 120  
gatcgggagg ctgctcgcca gggtagccct ccagagcgac gatgtctagc tcgtggccgt 180  
caacgacccc ttcataccca ccgagtacat gacctacatg ttcaagtacg acaccgttca 240  
cggccactgg aagcacagtg acatcaagct caaggacgac aagactctgc tctttggcga 300  
gaagccagtt accgtcttca gcgtcaggaa ccctgaggag atccc 345

<210> 9274

<211> 195

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067a05b1

<400> 9274

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ttccctcatg ttgagaggtc actctctgga ccatgggtaa ccagcctaac ttcaagaggg 120  
tcattggtga tttcaagcag gcagagggtg accctcctgt tcagaagaag gctgctcctg 180  
ctaaacaaaa ggagg 195

<210> 9275

<211> 162

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067a06b1

<400> 9275

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tggccttcgc cgatgaccgc ggccctgcgc aggacagtgc cgagctcgtg agaagagag 120  
gagaggagcc gccacccaac ccaaccaca caaccaagga gc 162

<210> 9276

<211> 371

<212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189067a09b1  
 <400> 9276  
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 gaactggccc agtggcttct aggatgcaca cgcaggcatc agctcagcca aaagcagaac 120  
 taccagttcc caaggttgct atacctctc aggagcaaaa atctcctgct aaagttgatg 180  
 tgacaccgcg aaaagttcat cagtcacggt ttgcaccccc tcttaaagtc gactatgcca 240  
 ttgacctctt taacatgta tggatggacg gaacaactga gaaagaacca gtgtcatctt 300  
 ccaatgatga taatgcttgg gatggcttcc agtctgcaga accagcacct aactccgaga 360  
 aaaaggatac t 371

<210> 9277  
 <211> 328  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189067a12b1  
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 atccgagccc caagccctcg ccgtcgggag gcgggaagtg gtgcgtcgcc aaggacggcg 120  
 ccaacgggac ggacctgcag aacaacatca actatgcctg cggcttcgta gactgcaagc 180  
 ccatacagag cggcggcgcg tgcttcagcc ccaacagctt gcagtctcat gcctcgacg 240  
 tgatgaacgc ctactaccag gccaacggcc acaccgactt ggcggtgcgac tctaagggca 300  
 ccggcgtcgt cacctccagc gaccccag 328

<210> 9278  
 <211> 234  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189067b01b1  
 <400> 9278  
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taagacattc aagaaaccaa ggcgctcctta tgagaaggag cgtcttgatg cagaactgaa 120  
gctggttggt gagtatggat tgaggtgcaa gcgtgagctc tggagggttc agtatgcata 180  
gagcaggatc cgtaatgctg caagacactt gctcacactg gatgagaaga atcc 234

<210> 9279  
<211> 287  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189067b03b1  
<400> 9279

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atgtttatgt caaaggttga aggattgaca tcagtgtctt cattggaaaag aagatctgca 120  
tcgaagcact atatcttctt attctttaat gtattcctgg caagcatcat tgctggatct 180  
gctttggagc agctacaaac ctatcttcac cagtcagcaa atcaaatacc aaggacaatt 240  
ggtgtagcaa ttgcaatgaa ggcaaccttt ttcataacgt atgtaat 287

<210> 9280  
<211> 306  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189067b04b1  
<400> 9280

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agcagccaca gaccacagtc ggtcaggtct catcccaggc ctgagctcaa tcagcaggag 120  
taggaacgcc cactagcact ggatgcgaga caggggtaca tgattcgggt cgacggtcac 180  
ttcgagttcg aggacccgct gaccgtcgag ccgacgccgc ctccgttcgc ggtcagggcg 240  
atctcgtctg agcaggagca tacgcccatt gtcgccgggc tgctgcacgt gatctcaggg 300  
tacacc 306

<210> 9281  
<211> 335  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067b07b1

<400> 9281

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cgatctcgca ggaggccttc gatgacatgg tccggcagaa catggaggac ctcggaatgg 120  
accccgacga ggacctcgcc gacgccgttg acgccctcac cctacagggc gccaacctct 180  
ccgggatcat caggcgcgta cctggggacg ccgcggcgga ggaggtgaat ccggtgatgc 240  
ggttgctgga cgagctgaag gcctcctcca gcggccggtc ggcgaggat cttgacaggc 300  
tggtctcttt gctcgacgag ttgctcgagc tgtgc 335

<210> 9282

<211> 409

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067b10b1

<400> 9282

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cttgcccgat tcttgagaa aaggaaagaa agagtgcga ctacggcgcc atatccatca 180  
gccaaagacc cgatggagag cagcgacacg gtcggaagcg ccaacgacaa caacagcaag 240  
tcctcgtcgt gcacggagat cgccttctca agcaaccatg aagagtcgct gcgcctaggc 300  
cggcccagga acatcagctt tagtggggag tcctcgagta caaaactaca catctgatcc 360  
gatatgatct tccggtgtcc atagatacaa ccatgatggc tgatgcaaa 409

<210> 9283

<211> 161

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067b11b1

<400> 9283

tttccacaac acactccctt ggctcctcc tccgcacctc attcacacca cccccaactc 60  
acgatcgatc gctagcctcg ccggagcatg aggggttcac ggtggtgctg ctgctgcttc 120

ggccggggcg gcagcagggc cactcggtcg gggcggtgg g

161

<210> 9284

<211> 416

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067b12b1

<400> 9284

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catccatacc tacctctaga gtttttctct tctgttctgt cctgttctat acaccaagga 120

gaaggaaaat aacgagccgc cattgccgca cctctgcgct tctggacgag gaggccggtg 180

caacgcaatg cggcattctta ctactactac gtactttata gtcactacaa aacacagtta 240

ctgtgctggt aacaggaagg aagggttga gtgtgtgtgc tccccggaac ggcgggaggt 300

agtagccgta gttattactc ttgtggtagc tagcgggtact aagttttgca actttgttgt 360

tcttattagg tgtgtttgat atggtagatg tacatatatg tatactatca cagatg 416

<210> 9285

<211> 236

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067c01b1

<400> 9285

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gggcgcgagc tccattcact gcgcgcactg gcggagggcg actctcgtcg aacggcacgg 120

cgccgtcgtg cacggggccg ccggcttcgt caggagcgtg ttcacgaaca ttggccggac 180

gaggccgcac ccggagtacc cgccggtgca cggaacaag gcgcgtctct tggtcg 236

<210> 9286

<211> 75

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067c02b1

<400> 9286



ttgtcggcta cacttccttg acagacattg ttaggccttg tcaggggaagc tagctaggta 60  
 agaaaaacca tggcc 75

<210> 9287  
 <211> 279  
 <212> DNA  
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<223> Clone ID: uC-tsrow189067c04b1

<400> 9287

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 tgcaaaagat tcagtcgtta actccaaata taggagtctg atacagtggg atgggtacca 180  
 gattttcaag gtcttgtcaa aaaaagtcag aagcaggcac atcagtatta tcggttgtgc 240  
 aaggaaacca tacctgttac ccagcttgtc cgagagact 279

<210> 9288  
 <211> 261  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189067c05b1

<400> 9288

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 gccgtggcct agcatgctgt ggatctatcc aacgggggga gatcgaccag atgactggct 180  
 gcaacggcaa cggcaacggc aacttgcgcg tattcaccat gggacagcag acggtcactg 240  
 agaagaagct cggaggaatt g 261

<210> 9289  
 <211> 343  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189067c06b1

<400> 9289

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 tggaggccgg gagcagcaag gccaggctgg cggaggcgtg cgcgatcggc ggaatcttgc 180  
 tgggcgccgc cgacgtggcg ctccacgttg ccgggcccgt ggccgtcccg ggccgtcccc 240  
 cgctcgacgc gctgcgccgc cggttccgcc gtcggcgccg acccgtgcgc gtctacatgg 300  
 acggctgctt cgacatgacg cactacggcc actgcaacgc gct 343

<210> 9290  
 <211> 69  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189067c08b1  
 <400> 9290

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 aaaaccatg 69

<210> 9291  
 <211> 411  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189067c10b1  
 <400> 9291

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 cgggatcgcg gtgagcgta acttcagcac ctctctggtg atcggcacga cgtcgccagt 120  
 gacgtaccag gtgttgggcc acctcaagac gtgcctcatc ctctccttcg gctacgttct 180  
 cctcaaagac cccttcacgc tccgcaacct caccggcata ctgatcgcca tcttcggcat 240  
 gggcctctac tgcttcttct ccgtctccga gagcaggaag aagaccgagg gcgccacgtt 300  
 gcccgtaac acccagatga gcgagaagga ttcggcaccg ctcttggca cgaaaacctc 360  
 gccgtggcag gagagcaacg ggggtggagaa ctttgacgac gtgccacgga c 411

<210> 9292  
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<212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189067c11b1  
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 tcgtgttggt tgctgtggat atatccgacg gggggagatc gaccagatga ctggctgcc 180  
 cggcaacggc aacggcaact cgtccgtatc caccatggga cagcagacgg tcaactgagaa 240  
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 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189067c12b1  
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 agcgagtaag tgcactagag aaggcattga ctggcttcgc ggagaggcag actgatgttg 180  
 ttgttaatcc aacagtgggg acctgcttcg attcgattac agaggcatat gatttttata 240  
 acctctattc ctgggaaatg gggttcggtg taaggtacgg caagagcagg cggaatgcaa 300  
 aggggtggtaa atgcatgcac gaaattactt gtgttaattc gggtaaacca aatatgggcg 360  
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 gat 423

<210> 9294  
 <211> 426  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189067d01b1  
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gccggagagg aatcgcgacg agggcttcct cctatcaggt tcgtggctcg gcgaccctct 120  
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 ccatcctttg cgtcaataat tgtggcttct tcggcagcgc ggcgaccatg aacatgtgct 240  
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 ctggtc 426

<210> 9295  
 <211> 293  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189067d02b1  
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 actatgaaat ctgagactga ggaaaagtct cgcctatacg agagtacatt agaggaaact 180  
 gttaacacat gtgatgacat ccttcaacaa gtggatggga cacagaactt atttgaagaa 240  
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<210> 9296  
 <211> 341  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189067d03b1  
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 ctggcggccg tgggtggcgc catcgtggtg tccaagatcc ggggcccga gctgaggctg 180  
 ccgcccggcc ccttcccggg ccccatcttc ggcaactggc tgcaggtcgg cgacgacctg 240  
 aaccaccgca acctggcggc gatggcgcgc aagttcggcg aggtcttcct cctccgcatg 300

ggccagcgca actggtggtg gtctcctcgc cgccgctggc g

341

<210> 9297

<211> 407

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067d05b1

<400> 9297

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agggctactt ccggagcttc tgcactcgca aacaagccat tcctgaaggt tctacacctg 180

tctgagcaag cagcattaat tgaagaagaa gagaatgagg aagaacagga gaaccaagag 240

ggcgcagaga aagaagaaaa ggacaaacat gaagtaaaaa gtgctcagtg gattagagat 300

gattcagcta aagtgagtga aaagatatgg aatgagctca cccacccaa tagcgttgag 360

aagctggtaa tcaagaacta ccaaggtcga aagtttccaa actggat 407

<210> 9298

<211> 222

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067d06b1

<400> 9298

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attttccgtg tggctcgttc acgggctgga ggagccccgt gtggcggcta ccggcgtggc 180

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<210> 9299

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<212> DNA

<213> Triticum aestivum

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<400> 9299

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 gccagaaga agggcgctcg cccgtcacac atctcagctg atgggactta tgctttgaag 180  
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gcgcccgggt gcgcgcggac cgcccgcgcc cgctggagct gcgcccgagg ccatcgaggg 360  
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<400> 9304

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<223> Clone ID: uC-tsrow189067e01b1

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 gccaccaaag gcatcaccgt gacaaaagg agcaccgaga ccgtcctgat gatcacgatc 180  
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<212> DNA  
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<212> DNA

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<210> 9318

<211> 417

<212> DNA

<213> *Triticum aestivum*

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 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189067g05b1  
  
 <400> 9328  
  
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 atctacggcg agaagttcgc cgacgagaag ttcgtccaca agcacaccaa gcccgggatac 120  
 ctctccatgg ccaacgccgg gcccaacacc aacggctccc agttcttcat ctgcaccgtc 180  
 ccctgcaatt ggctcgacgg caagcacgtg gtcttcggcg aggtcgccga gggcatggac 240  
 gtcgtcaaga acatcgagaa ggtggggtcc cgcagcggca cctgctccaa gcaggctcgtc 300  
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<210> 9329  
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 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189067g06b1  
  
 <400> 9329  
  
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 gtggcggcgg cgggcgcggg caggcgttac gcgctgttgc tggcggtgaa cgactcggac 180  
 tacgccagga aggcgcacgg cgggtaccgg aacgtgttct tccgcgccct ccgctccggc 240  
 gaacccgacg aggcgtggga ctgctaccgc gtaatcgacg gcgagttccc ggcagcagag 300  
 gatctgggcc tgtacgacgg ctctgtggtg agcggcagcc cgcacgatgc ccacggcgac 360  
 ggcgccccgt gctgggtcc 379

<210> 9330  
 <211> 415  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189067g07b1

<400> 9330

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gagagaagaa ctcgctcgga gggctcgaga tctgtgttcg gagaggggaa ttcttgaggt 120  
cggaatcgga acaagcgggc gcgctcgga tcgggggtac catacaattt ttcccaggaa 180  
cctttagtga atgtgcta atggagtcaa ggtggcaaaa agtctagcag tagtagttcc 240  
ctgatgtacg aagctccctt cggctacagc attgaagacg ttcgacctgc tggaggcgcc 300  
aagaagttct ctgctgcata ctggaactgc gcgaagaagc catcctgata tcgtttttgg 360  
catcccttc ccgtagttta ggatttttat gcaattttat tctgactctt ttctc 415

<210> 9331

<211> 346

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189067g08b1

<400> 9331

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ggaagtggaa ttttatctgt ggagaaaaag agctgcttga gtgaccatga tgggaggtgg 180  
gctgctgatg gatcagggca tggccttctc cggcgtgcac aacttcgtgg atctgctcca 240  
gcagaacggc gccgacaaga acctcggtt cggctacctt atgccgcaga ctttctccgg 300  
cgaccagtgc gtcattggcg agggctacct cgtggaccg ccgact 346

<210> 9332

<211> 389

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189067g09b1

<400> 9332

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ctcagtgcac cagaattgtt tctttcatgc agagtttctg ctgctatttg ttaaattcta 120  
aagaaacgct tgttcttgag gtttacaagt ccccttgctc aaatatgaaa atgatttatt 180

tgcaaacttc aatgcaaaat ggtagtcag tctcgaacaa ctgcatgtat atatactttc 240  
tagctatgct attgatgcca catccagatt acacttttct tctctttttc ttttcttggg 300  
agtagaaaagg tctcactcaa ggatcgagca aatgcagctc taatgcttgt gtcgtctaata 360  
tcaaagcatg atgactctaa atgttcatg 389

<210> 9333  
<211> 236  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189067g10b1  
  
<400> 9333

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aaccagtact tccttgaag ttcctactgc tggaagcccg aaggcatcaa gcctgaagaa 120  
attggcgctc tgcattgat tcctaaggag ctttcgttga agattgtcag taagattgaa 180  
gctggcgaac gggttactgt ttatgttgtg gtgccaatgt ggcctgaggg tgttcc 236

<210> 9334  
<211> 94  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189067g11b1  
  
<400> 9334

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cacatgttct taatgtttgt gctaagcccg gaca 94

<210> 9335  
<211> 396  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189067g12b1  
  
<400> 9335

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cctctcacac gtgaacgccg actatttccc caagtgtgc aacaactgca ggctccttctc 120



atttgactgc ggatcttatc accagtcaac tcttactggt ggatgcaaag gaccacacaa 360  
aggatat 367

<210> 9338  
<211> 415  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189067h04b1  
  
<400> 9338

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acagaggaga tgtgggttct tgggtacgtg aagcagcaat ggatgcgcta gaaagatgca 120  
cgttcatcct ctgcaagaga gatgctgttg cagtgaagagc agcgccagct gctgaggatg 180  
agtctgagcc aagcgacatg gatgcaaatg caattagtag cacatgcca ctatttgatt 240  
ctgctattgc acaggggtctg gtcgctggca ttgcaaagca ggcagttgag aaaatagata 300  
agataagaga aatagcagtc aggactctgc agaggattct gtacaaccaa gaacagtttg 360  
tcccgcttat accttacagg aagctgttgg aagaaattat tcctaataat tctga 415

<210> 9339  
<211> 315  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189067h05b1  
  
<400> 9339

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tcggccgcct ccgtcgcta cagaggctag acttgaacga caactccttc tccggcaagt 120  
tccctgtaaa cctgagctcc tgcatcaggc tgaacaaaat gggactacac aacaacaaga 180  
ttggcggcca catcccagct gagctcggcg aaaagtcat atccctggca gtgatctcgc 240  
tgaggaacaa tagtttcaca ggtcccatcc cgggggtcaat ggccaatctg tcctatctac 300  
gatatttga tttct 315

<210> 9340  
<211> 312

<212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189067h06b1  
 <400> 9340  
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 cagttccctg gacaccaggg tgctgtgaga ggtttggcaa catctaccga cggcgatctt 180  
 ctgatacctt gtggggctga ttgcactgtt cgactctgga aagatcctat gcgtaagatg 240  
 atggacacta atgatgctat tggagatgct tcccagccgt cagcagtcta tacatggaag 300  
 catgcatttt gg 312

<210> 9341  
 <211> 376  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189067h07b1  
 <400> 9341  
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 agagcagggg agcttcatgc agcctcccc tgctgtgtgt catcggggcc gtccagttct 180  
 tggtgatcgg caagcctttt ccgtcgctct tgatggatag cagcaggagg agggccttct 240  
 tcaatctcgc agaggaggag ttcatcccgg agcctcaggt gagctgcgac ttcaacgaca 300  
 cgagatccga ctactgcgag atggccggcg ccatccgcat ccgcgggagc acgtcggagg 360  
 tgttcgtcat gacccc 376

<210> 9342  
 <211> 345  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189067h08b1  
 <400> 9342  
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aacgctgcct acattggcac ccctggcaag ggtatccttg ctgctgatga gtccaccggc 120  
 accatcgga agcgcttcgc cagcatcaat gttgagaacg ttgaggaaa ccgtcgtgcc 180  
 ctccgtgagc tcctcttctg cacccttggg gccctccagt acctcagcgg tgtgatcctg 240  
 tttgaggaga ccctgtacca gagcaccaag ggtggcaagc ccttcgtcga catcctcaag 300  
 gcgggcaatg tcctccccgg catcaaggtg gacaagggca ccac 345

<210> 9343  
 <211> 329  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189067h09b1

<400> 9343

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 ccgccgtccc cgccgccgat ggactcgtgg gctcggggag ggcgtcgctc caggcgccgt 120  
 ggcagcagcg gcagcgccag ctctggcggc ggcgtcgagt ccgaggagga gtacctggcg 180  
 ctctccctcc tcatgtgtc ccgcggcgtc cgcggcgagg tcgaggacgg cggcatcgga 240  
 ggcgtcaagg gcttgggagc ggcgccgacc aaggcgcagg ggtacgggtg ctccgtgtgc 300  
 ggcaaggtct acgcgtccta ccaagcgct 329

<210> 9344  
 <211> 243  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189067h10b1

<400> 9344

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 cacgtccgtc agggcgatg tggcggagtt catcgacacc ctctcttcg tgtttgccgg 180  
 cgttgggtcc gccattgcct atgggaaact caccgatgat ggcgcgctcg acccggtcgg 240  
 cct 243



<210> 9345  
 <211> 248  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189067h11b1  
  
 <400> 9345  
  
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 cgacaccatt attttgggta gtcaagtcac atcacattac tcatgtgatt aaactaaacg 120  
 acgcgctaga cacgttacac tagtgtttga cttgggtacag aaatgaaata attgaaaaga 180  
 tactgttcat agctcatgtc tgacgacctt gcaagcttgc aatatcatct gcttcttcgc 240  
 ttttcttt 248

<210> 9346  
 <211> 167  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189067h12b1  
  
 <400> 9346  
  
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 gtctcgaaga gtctggtgcg ctctttacga tccttgaaaa tcaaaggga agaattgattt 120  
 tctcacctag tgggtactgat aaccgcagca ggtcttctag gtgaaca 167

<210> 9347  
 <211> 342  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189068a03b1  
  
 <400> 9347  
  
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 aggaaaggag cttctgaagt atagagaatc ggcgcagggtg gctgctgttg aagccatgca 120  
 ggaagcttca gctgcagaaa gcttgctgag atgtttgagc tcgtacgccg aggtgagctc 180  
 gacggctgag gagcagaacc cgcagccgac cgttgagcag ttcctcgccc tccacagctc 240  
 gctctcccgc gccacggtga tcaactgacac cctcaccaag tcagcagccc cgccggaatg 300

ctcagcggcc agcgacgccg ggacggtggc ctctgctacc ga

342

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<212> DNA

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<223> Clone ID: uC-tsrow189068a04b1

<400> 9348

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gcggacnaca acagagagaa cctcctccag gaagaggagg agcaagtgga agaggcttga 120

gtgccaaagca acaaacta 138

<210> 9349

<211> 361

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068a05b1

<400> 9349

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gaggctgctc tccaatgcat tcgtgagaag atggatatta ttgatcttga ggacgagaca 120

atagatgctg agatactcaa ctctatggct gtgacaaatg accatttcaa gaccgccctg 180

acgacaagca acccgtctgc tctccgtgaa actgttggtg aagttcccaa tgtttcttgg 240

gaagatattg gtgggcttga gaatgtcaaa agggagttgc aggagactgt tcaataccct 300

gtggagcatc cggagaaatt tgagaagttt ggcatgtctc cttcaagggt gttttgttct 360

a 361

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<211> 343

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068a06b1

<400> 9350

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atagatgctg agatactcaa ctctatggct gtgacaaatg accatttcaa gaccgccctg 180  
acgacaagca acccgtctgc tctccgtgaa actggttggtg aagttcccaa tgtttcttgg 240  
gaagatattg gtgggcttga gaatgtcaaa agggagttgc aggagactgt tcaataccct 300  
gtggagcatc cggagaaatc tgagaagttt ggcattgtctc ctt 343

<210> 9351  
<211> 425  
<212> DNA  
<213> Triticum aestivum  
<223> unsure at all n locations  
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<400> 9351  
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ctcctgctct tccactgccg cgcctccgctc ccgcaccgcc cgctgcggat gagctctccg 180  
tcgccgagca ggagggtcgt ctgctccgcc tccaccgccg aggggtacat ctccgcggcg 240  
ccgatcctcc ttccagacgg gccatggaag caggtagaag gcggcgtcac ggcggcgaag 300  
gggtttaagg ccgcgggcat ctacggcggc ctgcgcgcca agggacagaa gcctgacttg 360  
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gctgc 425

<210> 9352  
<211> 104  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189068a08b1

<400> 9352  
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aagggaccta tcctatatgt atgtctaaaa tagtaacatg taac 104

<210> 9353  
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 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189068a09b1  
  
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 atcgccgagt tcatctccac cctcatcttc gtcttcgccg gcgtcggctc tgtcatcgcc 180  
 tacaccaagg tgagcggcgg cgcgccgctt gacccatccg ggctgatcgc cgtggcgatt 240  
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 ttcattgagag tcgtcccaac cgctctggga accgcgctcg acataaacct gagcaacgcg 240  
 tctctggtgt tcatcacggt cacgttcgcc actatgtgta aatcggcgct gccaatattc 300  
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 <211> 411  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189068a11b1  
  
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actgcggatg cgctgccaag ttggcaggct tccatgacac acattgcgct tgaaggggga 180  
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 tatacctttg gtggccatga ggaggagcca tccccagaaa ccgctgtttg tcttgagggg 300  
 agcgccatca tctcgccatc tgggacagtg ttggcaggtc ccaactatga aggcgaggcc 360  
 ctctcacag ctgacctgga ccttgagaga attgttcgag ccaagtttga t 411

<210> 9356  
 <211> 349  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189068a12b1

<400> 9356

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 ggggtggcacc agtggactct ggattttggt ggattattct cctccgggcg tatacaaaat 180  
 atactggaga tgctagttaa tcagaatcac ctgattgtca gaagtgcagc cggtttatac 240  
 tgaatctttg cttatctgag ggattcgata ctttcccaac tctgctctgc actgatgggt 300  
 gctcaatgat tgatcgtcga atgggtatat acggttatcc tattgagat 349

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 <211> 281  
 <212> DNA  
 <213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsrow189068b01b1

<400> 9357

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 gatctgacgg agcagggcag cgccgccgcc gaggtcgccg ccgtggctcg cctcggcgtg 180  
 gcgcctgaga acaaggcggg acagttcgag gtggccgccg ggcagtccgg cgagggctgc 240  
 agctgcggcg acaactgcaa gtgcaacccc tgcaactgtt a 281

<210> 9358  
 <211> 293  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189068b02b1  
  
 <400> 9358  
  
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 gctacggcgg ccacgggcag cagcagcacg ggtacggcgg ccacgggcag cacgggtacc 240  
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<210> 9359  
 <211> 247  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189068b03b1  
  
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 ctcatcccgg ggggcgcgcc ggcgcggcgc gcccggtccg gccacgtctg gccgggcaag 180  
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<210> 9360  
 <211> 224  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189068b04b1  
  
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tcccgtaggta gtcttcatca actctagaag cggtaggcaa cttggaagtg gtttgatcaa 180  
atcataccgt gaagttctca atgaagcaca ggtctttgat ctgt 224

<210> 9361  
<211> 383  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189068b05b1  
  
<400> 9361

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gtaaaactga ccaccgcaga ctgcggctgc tgcataagct tagccgcaaa aggatgttgt 180  
tctacttgta tttttgcggg tggtcttgac tttgcctgca agaacttg ttgtttccc 240  
tgtattcttg aagattctgt ggttgctaag atggatgaaa tgggagtggc ttcgaagatg 300  
gaaggactgt actaaaacga tatgcttgca ttgctaccaa catggatgcc attcatcggc 360  
atatgttga ttgcttcgat cta 383

<210> 9362  
<211> 453  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189068b07b1  
  
<400> 9362

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ggagtatgac tatctcttta agcttctgct tatcggagac tcaggtgttg gcaagtcatg 120  
ccttctctta agatttgccg atgactcata cctggagagt tatatcagta ctattggtgt 180  
tgatttcaaa atacgtaccg tggagcaaga tggaaagact atgaagctgc aaatctggga 240  
cactgctggg caagaacgct tcagaactat tactagcagc tactatcgag gggctcacgg 300  
gatcattatt gtctatgacg tgacagacca ggacagcttc aacaatgtga agcagtgggt 360  
gaacgagatt gatcgctatg ctagtgagaa tgtaacaag cttctttag ggaacaaatc 420  
tgatctcact gacaaaagag ttgtatcata tga 453

<210> 9363  
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 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189068b08b1  
  
 <400> 9363  
  
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 gacaacgagg acctgaggac cgaggctttg gagggtgccc tcgtgtccta cgccaaggcc 120  
 accctccccg ggctgtcgag gtccatgagg tggcgccgcg cgtccgcgcc ggtgtcgtcg 180  
 gaggtggagc agagagacct cctggaggcg gtggtcgcca gcctcccggc ggacaagggc 240  
 tcggggagcg tggtgaccgc gaagttcctg ttcgcgctgc tgcggacggc gcacatcctg 300  
 cgcgcttcgg acgcggcgcg cgccgcgacg gagcggaagg ccgcgacgca gctggaacag 360  
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 <211> 241  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189068b11b1  
  
 <400> 9364  
  
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 gctgctcgcg atcatctcgg acatcgactc cctgaacgcc cgctgcgggt cccgcgtccg 180  
 ccgcaccact gagaggctct ccagctccgg cgccgaccgc cgcggcgacc gcaccttcac 240  
 c 241

<210> 9365  
 <211> 329  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189068b12b1  
  
 <400> 9365



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aggagatttg ccgttttttc tcttcacgac gcagccgctg ccgctgcgag gaaacaaaac 120  
aatccccgtga ggcaaggacg gttgtgaagc aaaggggtga caaagccttc tgcagcatgg 180  
agtgcagggg gaacttcacg gaagatgaga tggaaggtga accttcgata ggtcactctg 240  
atcccagctg cccatccttt gacaatcgtc gcattttcca actgatccag tgaccagcga 300  
gcatcagtaa acacttgatg tggtcgtat 329

<210> 9366  
<211> 376  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189068c01b1  
<400> 9366

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cgcacgccag cgaccctgct cgcccttaac cccacccccg atcccgatct gtccgcgcag 180  
gcctctgacg acgtctctcc gtggggccgc tcgacggcgg acgagctgga ggaccgcctc 240  
ctcaagaggc tggaggaggc ctacgcggcg gcgctggccg gcctcgctga gctcggctac 300  
gccgaggact ccgcgctccg ggccgtcctc cgcgcgggcc actgctacgg caagcttgac 360  
gaccctgtcg ataaca 376

<210> 9367  
<211> 466  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189068c02b1  
<400> 9367

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ccacgcggcg cgcccgctcg ccgcgcgcgc gaatctcggc cgcaactggc gtactgttga 120  
aggaaggaaa aatcatccta ttgtcatgg cgggaactga ctctcggcg tcatcgagac 180  
aaagcagttt caactcatta gcaaaggacc tagaacttcc tttggagcaa ggtgcctca 240

ccatcgttgt acttggggct tctggagatc ttgccaagaa gaaaacgttc ccggcactct 300  
 accacctttt tgagcagggg ttcttacaat ctggtgaagt gcatatagtg gggtagcga 360  
 gaacaaatct ttctgatgat gggttgagag ggcgcacccg tgcatacctt aaaggagcct 420  
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<210> 9368  
 <211> 381  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189068c03b1  
 <400> 9368

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 tgaagttggg gtatatagcc catcagtga gaatacatta tacctcatgg ctagggaagt 180  
 tcttaccagg ttcccagaca tagcgctcagt tcagcttagg atgccaacc tccactttct 240  
 cccggtgaac ctatcagggg aagaaaatcc aggattgggtg aagtttgctg atgatgtgta 300  
 catgccaact gatgaaccac atggaaccat tgaagcaaca ctgagccgcg ccaactcaaa 360  
 gctgtaatat tttatttttc t 381

<210> 9369  
 <211> 416  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189068c04b1  
 <400> 9369

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 attctgtgcc cttgtacatg acaggcgctg aggtttctcc gctcagctcc tacgccggag 180  
 aaaacctgga ggcgatctgc cgcggacgga cattccacgc gccagcgag atctcgttct 240  
 aggcgcacga gttcacgaca gtggcagcaa atggaggaag cagtattgca cagggattgc 300  
 aaggtcgaac gaatgctcgc agttgacatt ggttgatttg agctgagctc tttgagctat 360

tggcattagg gttttcaggt actgggcaga ctgttgatc ttttgtgagt aaattg 416

<210> 9370

<211> 357

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068c06b1

<400> 9370

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cgcgaggcgt cggaccccggt ctgcctccgg gccgtgctcg gcgagctcgt cctcaccttc 180  
ctcttcgtct tcgtcggcgt cggctccgcc atcgtcggag gacaagcagt cgcagccgga 240  
ggcgacacgt cagcggcgtt gatcgcggtg gcgctgggcc atgcgctggt ggtggcggtg 300  
ttcgcgaccg cagggttcca catctccggc gccacatga acccggccgt cacgctc 357

<210> 9371

<211> 413

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068c07b1

<400> 9371

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agggcaagca tgtgtacttg ggaagctatg ttactgaaga gaatgctgca agggcacatg 120  
accttgacgc cctgaaatat tggggcataa ctcaaccac caaactaac ttcaatattt 180  
ctgattatgc aaaagaaatt gagatcatga agagcatgaa tcaagatgaa tttgtggcct 240  
acataaggag gcagagtagt tgtttctcaa gaggaacatc gtcatacagg ggtgtaacaa 300  
gacgaaagga tggtaaatgg caagcacgta ttggtaggat tggtagagat agagacacta 360  
aagacatcta tcttgggacc tttgaaactg aagtggaggc agctgaagcg tat 413

<210> 9372

<211> 454

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068c08b1

<400> 9372

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agcgccgcaa cgggctcctg aagaaggcgc acgagatctc cgtcctctgt gacgcggagg 120  
tcgccgtcat cgtcttctcc cccaaaggca agctctatga gtacgccacc gactccagca 180  
tggaacaaat tcttgaacgt tatgagcgt actcttatgc tgaaaaggct cttatttcag 240  
ctgaatctga aagtgaggga aattggtgcc acgaatacag gaaacttaag gcgaagattg 300  
agaccataca aaaatgtcac aagcacctca tgggagagga tctggattct ctgaatctca 360  
aagaactcca acagctggag cagcagctgg agagttcatt gaagcacatc cgatcgagaa 420  
agagccatct tatgatggag tccatttctg agct 454

<210> 9373

<211> 400

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068c09b1

<400> 9373

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gaggccgagt agctagccta gtctaggggt tcggtagaga ggaagtgaga tccatggcgg 120  
agacggagta ccgctgcttc gtgggcggcc tcgcctgggc caccgacgac aacaacctcc 180  
agcaggcctt cagccagtac ggcgagatcc tcgacgcaa gatcatcaac gaccgcgaga 240  
cggggaggtc ccgtgggttc ggcttcgtca cgttcggcag cgaggagtcg atgcgccagg 300  
ccatcgagga gatgaacggc aaggagctcg acgggcgcaa catcacggtc aacgaggccc 360  
agtcccgcgg ctccggcggt gggggcgggc gcggcggtca 400

<210> 9374

<211> 478

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068c11b1

<400> 9374

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 caccaagctc gccgcggagc tcgacaccgt caaattcttc ggggtggggaa aggacgtgct 180  
 gaaccaggag gcgctgacgc agggcttcac ccacgtcttc tccatgagct tcgccagcgc 240  
 cgaggacctg gcggcgtaga tggggccacga gaagcactct gcgttcgccg ccaccttcat 300  
 ggccgtgctc gacaaggtgg ttgtcctgga ctcccccttc gtcgtcgcca agccggtgcc 360  
 atcgctgag gccgcttgaa tgatacccc caccacagta tctatctgtt actacttcct 420  
 ccgtctaaaa aagcttgaat gatataata cccacccca ctgtctatct gttactac 478

<210> 9375  
 <211> 477  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> unsure at all n locations  
 <223> Clone ID: uC-tsrow189068c12b1  
  
 <400> 9375

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 tanacaatct cgccggggccc atagtttcac tcgcttatcc tctgtatgag tctgttcgag 120  
 caatagaaac aaaatctcct attgatgatc agcaatggct cacttactgg gtgctgtact 180  
 cgtttatcac tctgtttgag ctcaactttg ctgcagtaat tgaatggctc cctttctggt 240  
 cttatggaaa gctgtttttc aattgctggt tggctctgcc ctactttaac ggtgctgcgc 300  
 atgtttatga gcattttgtg cggccaatga ttgtgaacca gcaggttgta aacatctggt 360  
 atcttcacaa aaaggaaggt tcagacaaac ctgacgatgt aatttcagct gcacagaaat 420  
 acattgaaca aaatggatca aaagcatttg agactctcgt taacaagttt aagacta 477

<210> 9376  
 <211> 393  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> unsure at all n locations  
 <223> Clone ID: uC-tsrow189068d01b1  
  
 <400> 9376

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cggatcgaac ggccgggcta cccacccac cccctaccc gtcagcctag ggttttgagt 120  
ccgacgcctc cgcctccgcc gcgcaccatg ggccccgacg agctcccca ggccgcccgc 180  
gccggtgccg acgagatttc cccgttctcc ttcagcatct ggccgccgac gcagcggacg 240  
cgggacgccg tgggtggggc cctggtggac accctggccg gcgacaccct cctctgcaag 300  
cgctacggcg ccgtgccggc cgcgcacgcc gagcccgccg cgcgcgccat cgaggccgag 360  
gccttcgacg ccgcccgcgt caccggcggg gcc 393

<210> 9377  
<211> 263  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068d02b1

<400> 9377

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gtctgcgcta ttaaggtttg tttggaggaa ggggaggagt ctctgaggtg gagctgagga 180  
gagagaccgg agatggcggc ttccgcgagg caaggggaga gggcgaccag cttcgccatg 240  
gcctgcagcc tgctcagccg cta 263

<210> 9378  
<211> 384  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068d03b1

<400> 9378

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actcggagca ggacttcgtg gacgccaca acgcggcgcg cgcgcacgtg ggccttgggg 180  
aggtgacatg ggacgctacg gtggcagcct tcgcgcagga ctacgcggat cagcgcgcg 240  
gcgactgccg gctgatccat actcctgatg gccggccgta cggggagaac ctctacggag 300

gcggcgggac cgagtggacg gcgacggacg ccgtgaattc gtgggtgtcg gagaagcagt 360  
actacgacca cgacagcaac acct 384

<210> 9379  
<211> 450  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189068d04b1  
  
<400> 9379

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caacttgaga gcagtaagct aaaacttgca agcctggaac aagaactcca gaaagctcga 120  
cagcaaggaa tcttcatttc tagctctggg gatcaaactc atgctatgag tggaaatgga 180  
gcgatgacat ttgatttaga atatactcga tggctagagg agcaaaataa gcagataaat 240  
gagctgagga ctgcagtaaa tgctcatgca agtgatagtg acctccgtct tattgtagat 300  
ggaataatgg cacattatga cgaaatattc aagctgaagg gcgctgctgc aaaggctgat 360  
gtgtttcata tactttcagg catgtggaaa acacctgctg aaaggtgttt tttgtggctt 420  
gggggtttcg ttcgtctgag cttttaagc 450

<210> 9380  
<211> 441  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189068d05b1  
  
<400> 9380

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ggtgagcaag ctgtggtctc atttgctggc aggacatgc ctaccactag cggctgcgac 180  
taaccggcat tttcgccgat gcctccagcc cggaccggaa caagaacgca gattgtacaa 240  
ctctctcgtc gatggactgt acatcggtca tgctcgatta acactcgtgg taatgtatta 300  
tagtttttct accgcgcgga tctctttatc gtacgagagg accatgtgaa tgaaactgtt 360  
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ctggttaagag tcttgggtgc t

441

<210> 9381  
<211> 443  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068d06b1

<400> 9381

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caattccaaa gctgtaacta ttttcatccg tgggtggcaac aaaatgatga ttgaggagac 180  
caagcgaact attcatgatg ctctatgtga tgcaaggaat ctgatcatca acaactcaat 240  
tgtgtatggt ggtggctcac cagaaatata ttgctcaatt gctgttgatg ctgcagcaga 300  
tcggcatcct gaagttgagc agtatgcaat cagggcattt gctgatgctt tggatgccat 360  
tccactagct ttagctgaaa acagtggttt gccgtctatt gatactctca ctgtcgtaaa 420  
atcccaacat gtcaaggaga aca 443

<210> 9382  
<211> 302  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068d07b1

<400> 9382

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ccgcgggagc cggacccccga tcaccacgct ccggtgtcgc cgggcgcttc cgaagaggaa 180  
gagggcgcca gcggcgcggt cgaggcgggg caggacgacg acgcgcctga cccggaggac 240  
gagccggagg agggcggtga cgccacggag gacgatatgg acgaggagga ggaggaggag 300  
ga 302

<210> 9383  
<211> 422  
<212> DNA





<212> DNA  
 <213> *Triticum aestivum*  
 <223> Clone ID: uC-tsrow189068d11b1  
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 aatagaaaca aaatctcta ttgatgatca gcaatggctc acttactggg tgctgtactc 180  
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 tgtttatgag cattttgtgc ggccaatgat tgtgaaccag caggttgtaa acatctggta 360  
 tcttccaaaa aaggaaggtt cagacaaacc tgacgatgta atttcagctg cacagaaata 420  
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<210> 9386  
 <211> 393  
 <212> DNA  
 <213> *Triticum aestivum*  
 <223> Clone ID: uC-tsrow189068d12b1  
 <400> 9386  
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 catcctttct acataatctt acccttacat tttgaacttg tcaaaagtac ccagtagcat 180  
 aaactacaag cacaatgccc gccgacgact aacaacgacc aagatttgca gcaagtccag 240  
 cccgccttgc ttctcagttg ggcttttctt cctggcactt ggagcaggta cacgtgaacc 300  
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 tgggtgatct ctctgccctt gctgataggc ccc 393

<210> 9387  
 <211> 332  
 <212> DNA  
 <213> *Triticum aestivum*  
 <223> unsure at all n locations

<223> Clone ID: uC-tsrow189068e01b1

<400> 9387

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gcgggcggaga ggaaggtcgc cggcgaccag ggggagctcg tgctcgacgg cggcttcacc 180  
gtgccggact ccaacgcctt cggccacacc ttcagggaact acgacgcgga gtcggagcgg 240  
aagaagacgg tggaggagtt ctaccgctg aaccacatca accagacgta cgagtttctg 300  
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<210> 9388

<211> 471

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068e02b1

<400> 9388

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tggcgctgc ttgctctcat agtaaaacga gcaataagcc aagcgaatca acgagcggac 180  
tttatgtgcg aaaatgaccg tacgcagcta gctaacataa tatcgaatct gacgtaactg 240  
gcgagtacta tctaggtagc ggctataata tcgcaggcca gcgcccagtg ataccactat 300  
tatggcacac gcatatatac cagatagagg acgatgcccc gcaacggccg ggggtccatg 360  
tatccactgc cgtactccgg attaactagg tttagtaact ggtatagcac tggagcacgt 420  
accaaccagc tcaccggtca tcatgtctta agccaatgca atatactcac t 471

<210> 9389

<211> 473

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068e03b1

<400> 9389

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gggggcctaa tcccatccat gacggtgctc ttgctcttgt ggtctgagaa gctgacgagg 360  
agctttacca atcctatccc atctagtacc aaccatgtat ctatcttatac tatctatata 420  
ttactagatg atcctgtgga catatatata tgt 453

<210> 9392  
<211> 509  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189068e08b1  
<400> 9392

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attaccacgg atcatatttc acccgcaggc agcatccaca gggacagtcc tgctgccaaag 180  
tatttgcttg agcgtggcgt ggaccggaaa gacttcaact cgtatggtag ccggcgcggt 240  
aacgatgagg tgatggcaag aggaacattt gcaaacatca ggattgtgaa caagtttttg 300  
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gatgcagcca cgaaatacaa gtctgaaggt catgatacga tcattcttgc tggcgccgag 420  
tatgggagtg gcagctctcg tgattgggcc gccaaaggac caatgcttct cgggtgtgaaa 480  
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<210> 9393  
<211> 418  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189068e09b1  
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ctcgcggtgc gccttcgccg cctgcgcgat ctgcccggct aagatggcga cctatgagcc 180  
caagaacatc ctcataactg gtgctgcggg ttctattgca tcccatgtgg cgaaccgtct 240  
aattaggagc tatcctcact acaagattgt ggtactcgac aagattgact actgctccaa 300

cctgaaaaat ctcaaccctt cccggccatc gacaaatttc aagtttgtca agggcgacat 360  
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<223> Clone ID: uC-tsrow189068e10b1

<400> 9394

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cggcacggtg atccgcttca cggacggcta cccgctcccg atcccgctgc cgcgcgcccg 180  
ccagcccgtc gtcgactgga aggacgtcgt gtacgacgcc agccacggcc tcaagctccg 240  
catctacagg ccggcggcgg cctctctctc cgggaacaag ctcccgggtga tcgtctactt 300  
ccacggcggc gggtagacga tcggcagctt cgacatgcc aacttccacg cgtgctgcgt 360  
ccgcctcgcc ggcgagctcc cggctgtggt gctctctgca gactaccgcc tcgcccccca 420  
gcaccggttc cccgcggggc tcgacgacgc ggcaacgctc gtgt 464

<210> 9395  
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<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068e11b1

<400> 9395

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tcttacttca acaataactc tacagaaaaa taatgtgtcc aatcaaagag aacatctcat 180  
actcttgatt ggcagcatac atataaggca gatctccaaa catgaacaac acccaaagtt 240  
agatgaccat gtgttgata caacaatgaa caagctattc aagaactaca agagatggtg 300  
caagcacctt ggccgcaaaa ctagcttatg gttgccggca attcaacaag aagtacaaca 360  
gcggaagctt ctctatatgg gcctttatct gctcatatgg ggcgaggcgg ctaacttggt 420

gtttatgccg gagtgtcttt gctacctcta tcatcatatg gcttttgaat tg 472

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<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068e12b1

<400> 9396

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attatgctct atgatgtgat gaacctacag tctacttttg gacactgcta tcagggtactt 180  
ttgaagatcc aacacctatg tcgttgcccta tgtaaactct gctgttgtca ctttccataa 240  
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<211> 319  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068f01b1

<400> 9397

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atgggcccga agagcgtcta cggcatgacg ctgattctca tggatcatctg ctccatcggc 180  
tccggcctct ccttcgcgca ccccccaag agcgtcatgg ccacgctctg cttcttccgc 240  
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tacgccaaca agaagacc 319

<210> 9398  
<211> 394  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068f02b1

<400> 9398

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gtggcgctga tggccacggc ggcggagggg tacatcactc agaagacgtg gggcgccatc 180  
cgccggggcga accgcgccgg gccgttcgtc ggccctcgtc tgcccaacac atacgagatg 240  
gtccccgtgc tcgagtcgcc cagcttcgtg gccagcaaga gcatccctaa catggacatc 300  
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<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068f03b1

<400> 9399

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aggccactgc ttctgatect agccactcc aggacttttg tgctgccgac atgaattcac 180  
cagtccgtgt caatgggttt gtttgcaaga acccgatgga ggtcaatgca gatgacttct 240  
tcaaggcggc caacctcgac aagcctaggg tgcccaacaa ggttggatcc aacgtcactt 300  
tgatcaacgt catgcagatt gctggactga acaccctcgg cata 344

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<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068f04b1

<400> 9400

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gctgccgccc agtttccctt acggcggcat ggagaacccc aggatggtgt tctcacgcc 180  
cacggtgatc aaaggggacg ctgcggcgca cgtggtggcc catgagctcg cacatagctg 240



gactggaaac ctcacaccca acaaaaccaa cgaggacttc tggctaaatg agggtttcac 300  
aacatatgct gagaggagga ttgtcaaggt ggttcaaggt gaggagcggg cggccttaaa 360  
cagcggaatt ggatggag 378

<210> 9401  
<211> 469  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189068f05b1  
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cattgtggac caaactgggg agcgcgaggc cacctatgag gagttcacca agaccctccc 180  
tgagaatgac tgccgattcg cgggtgttca cttcgacttc accaccccgaggatgtgcc 240  
aaagagcagg atcttctata tcttctggtc cccggacacc gcaaagggtga ggagcaagat 300  
gacgtacgcg agcaccaacg agaagttcaa gaggaccctg gacggcatcc aaatcgagat 360  
gcaggccact gaccccagcg aaatcagcct ggacgtgatc aaggagcgcg cgcactaagg 420  
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<210> 9402  
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<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189068f08b1  
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tctgacggcg aagaaggtag cggcggcgac gattccgggg ccatcgcggc ggcgcgatct 180  
aagaagccgc cgtctactac cagcaagctc ttcttctcct ccgccgacaa ctcacacgag 240  
ccccgcggtt tccagttcga gtcgtcccg acgattcagt cctccaccga caaccgcgcc 300  
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<210> 9403  
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 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189068f09b1  
  
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 <211> 443  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189068f10b1  
  
 <400> 9404  
  
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 gagaacctcc tccgcctccc cccgcagccc tcttccctcc cgcgcgcctc cgccgtctgc 180  
 agccgcctcc tctccgaccc cgccttcgcg cgccgcttcc gcatccacca ccgcggcagc 240  
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 gcccccgacc gcctccccct cgagcaattc cgctgaagc tcgacgacca ctacatcgcc 360  
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 <212> DNA  
 <213> *Triticum aestivum*  
  
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 gtctgcctcg agagaccctg caacgtcgcc gccgaagtgt gcgggcacga gctgtgcctc 180  
 aagtgcgcga tggacctgtg cacggtgatg aaggcgtacg aggtgccggg gctggccggc 240  
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<210> 9406  
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 <213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189068f12b1

<400> 9406

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 atcacgcgat ttctggagca acggtcactt cccgtcgagg tagccacgtc gtttgctcgg 180  
 atccatgaac tactggagga ttctaacttg aaggaaggaa atgccgcagt ggatgctggg 240  
 ggcgagggga cctctgagtt gactgcaccg caccctcctg ccattccacc gcatgggcct 300  
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<210> 9407  
 <211> 404  
 <212> DNA  
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189068g01b1

<400> 9407

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 cccggtgatg gcgccggcct tctctgggc gcccaagaac tacggactta gtcccaatga 240  
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cgaggaagggt ggctgggtcaa acttggtgtg ttcaaaggat ggctcctcaa agaattgttg 360  
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<210> 9408  
 <211> 478  
 <212> DNA  
 <213> Triticum aestivum

<223> unsure at all n locations  
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<400> 9408

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 cggggccttgc atccatggtg ctttttgagg ctaacatcct tggcctcctt gccgaggtcc 180  
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 caaagcaaga taggtatgca ctccgcacat cgccacagtg gcttggccct tagattgagg 420  
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 <211> 411  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189068g04b1

<400> 9409

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 cgatggtgct gctgcagggtg gggttcgccg ggatgtacat catcgccggg gcgtccctca 180  
 aggctggat gagccacttg gtcctcgctg tctaccgtaa cctgatcgcc accgccgtca 240  
 tggcgccctt cgccctctac ttcgagaggg gacggaggcc aaagatgaca accaccatct 300  
 tcctcaagat catggggctc gcaatcctgg agcccatgat cgaccagaac ctctacttat 360  
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 <211> 430  
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 <213> Triticum aestivum  
  
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 <212> DNA  
 <213> Triticum aestivum  
  
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<210> 9412  
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<212> DNA  
 <213> *Triticum aestivum*  
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<210> 9413  
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 <213> *Triticum aestivum*  
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<210> 9414  
 <211> 95  
 <212> DNA  
 <213> *Triticum aestivum*  
 <223> unsure at all n locations  
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<210> 9415  
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<213>      *Triticum aestivum*

<223>      Clone ID: uC-tsrow189068g11b1

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gccgctcgag aacgccgccg ccgtcgtcga gggcggcgtc gccgcccccg tggtgccggg   180
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<211>      391

<212>      DNA

<213>      *Triticum aestivum*

<223>      Clone ID: uC-tsrow189068g12b1

<400>      9416

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tcaagcaacc atgaagagtc gctgcgccta ggccggccca ggaacatcag ctttagcggg   180
gagtccccga gtacaaaatt acacatctga tccgatatga tcttccgggt gtccatagat   240
tcaaccacga tggctgatgc aaaaccgcaa taagaagatt ttgcatccag gcaggcaggc   300
aggcaggcag gcaggaggag ggaagggata ttgggaaaag gcaggcagca tgatatatgt   360
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<210>      9417

<211>      318

<212>      DNA

<213>      *Triticum aestivum*

<223>      Clone ID: uC-tsrow189068h01b1

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 cgccgccggt gctaccgtaa atgtgagcgc gaagatggca acactcagca gcaatgtcgt 240  
 gacgcgagca gttttcggcg gcaagttcac acggcaggat gagtacctcc atgagctaag 300  
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<210> 9418  
 <211> 312  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189068h02b1

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 ggcagcatgg gaggcgccgc ctacgcaaca actgcctccg gggttccggt tccaccccac 180  
 cgacatggag ctgctgctgc agtacctccg ccgcatggcc ctggaccgcc cgctgcccgc 240  
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<210> 9419  
 <211> 302  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189068h04b1

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 cgtggcactg ggagggggcg cggccgacgg ggccggccag tgcgggaggt cctccccga 180  
 ccggatggcc ctgcgcatgg ccccgatcat ctggcgccg gacgagccgg actcggcgcc 240



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<210> 9420  
<211> 246  
<212> DNA  
<213> Triticum aestivum

<223> unsure at all n locations  
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<400> 9420

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cacggggggg aaccagctgc gccacgccac tccgggggcta ggcatcgcca tcgtcgcctt 180  
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ccacca 246

<210> 9421  
<211> 317  
<212> DNA  
<213> Triticum aestivum

<223> unsure at all n locations  
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gataaagctg gacaaaaaca ggtccaagag gagctgctac tgctcttctt ctaagattca 180  
ctcgatctac tgccgtagcg cgatacgtac taccgtatgt atctgcgcgg ccttgtgtac 240  
aaaaaccgta ttgacagcgt cggccggtgc gtctcgatcg ccgactatct ctacttctct 300  
gcggagccgg ggtccca 317

<210> 9422  
<211> 367  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068h07b1

<400> 9422

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gcctcggcat ctccacatgc cacaagctcg tcctcgaggt ctgcggtgcc atcaagtccg 120  
tcctcatgcc gcgtttcctc cagtggcccg acgaggccgc cgccggcaga ttcaaggagg 180  
gcttcgagag atccttcggt gttccggggg tcatcgagc catgtacacc acgcacatcc 240  
ctatcatcgc gcccaagatc tccgtcgccg cctacttcaa ccgtcggcac acggagcgcga 300  
atcagaagac atcctactcc atcacgtcc aggggggtgt cgccctgac cgcgcttca 360  
ccgacgt 367

<210> 9423

<211> 437

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsrow189068h08b1

<400> 9423

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attctccctt ccaacatggt agaagaagcc aaggcatctg ggcaatcttc tcagactgaa 180  
gctgacgagg tcaacgataa tctctgcgtg gagaaagcaa ggccagccta ccaaagaacc 240  
ttatcagggtg gcctgcaaag ccctagagat gccgtcgtct cccaggatgc aattcttgag 300  
agagtgaact ccaagaacaa gtcaaatcc tatcagctcg gcgacaggct gtccttga 360  
tgagcactg gaaatggtcc aagaattgng tgtgtgaagg attatccaat agagctcaga 420  
atgcaagccc tggagat 437

<210> 9424

<211> 465

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068h09b1

<400> 9424

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 ccggcggcag agaaagaagg cagacagagg aggaatatac cggtcgagat gtcgaagtac 120  
 gtggagatgc tggacatggg cgtgcgcatc gcggccaggt tccactccca ctgcccgcag 180  
 acggcgcgca tgtactacaa gccgccgcag tccacctcca cgtcgtcgtc gggcgccgcc 240  
 gagggcgcgt cgacggatcg gagggccgcc ggctttgacg gcgaagacgt ggctgctggc 300  
 ttccggccct tcgccgcac cggagggttc ggcgacggcg tccagccgcg gttcggcttc 360  
 gacaccgcgc aggtcgtcat ctacgaggtc gtatgagtcg agggcttgaa caacggcgac 420  
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<210> 9425  
 <211> 396  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189068h11b1  
 <400> 9425

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 aaccaaggcc ctcgagaaca ccgactacct ctgcaacatg gacccgtacg cggttctaaa 120  
 atgcacctcg caggagcaga agagcaccgt cgcctcagga aagggaagtg atcctgagtg 180  
 gaacgaaacc tttgtgttca ccgtctctga gaatgcaacc gagctcgtca tcaagcttct 240  
 ggacagtgat ggtggcacgg acgacgacag cgttggtgaa gcaacgatcc cattggatgg 300  
 agtgtacact gaaggaagca tcccaccaac tgtttacaat gttgtcaaag acgaagagta 360  
 ccgtggagaa atcaaaatcg gtctgacgtt cactcc 396

<210> 9426  
 <211> 83  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189071c02b1  
 <400> 9426

ggctccagcg cgctcgttca agtccccggc gccgtcctcc atgctggcgg actgggggtc 60  
 gccggacggg aagctggact ggg 83

<210> 9427  
 <211> 178  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189071c07b1  
  
 <400> 9427  
  
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 gttgcaaaag caggtgcagg tgcccatgtt tacaagactt gtcttcttga cgaagccgat 120  
 gcttaaacct tgtttaccca aagaactttt gggagtgtgg gtgcctgccc tgcccatt 178

<210> 9428  
 <211> 174  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189071c09b1  
  
 <400> 9428  
  
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 tcccagaccg ggatgtggcg gttgacggcg acgttaggaa gtccggagac gccggcgggg 120  
 gcctcgggaa gagttatctt ttctgcttaa cggcctgcca accctggaaa cggt 174

<210> 9429  
 <211> 170  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189071d01b1  
  
 <400> 9429  
  
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 ccggacggga agctggactg gggcgtgcag ggcgcggagc tgcgcaagtc cacgtctttc 120  
 ggggtcagaa gcagcagcag ggcgcatgat gcgactaggc aggaggacat 170

<210> 9430  
 <211> 68  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189071d04b1

<400> 9430

caagatgctg gacaagctgt gggacgacgt ggtggccggg cctcgcccgg agacgggcct 60  
cgacaagc 68

<210> 9431

<211> 272

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189071d06b1

<400> 9431

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tccagagcct ctacggcggc aaccccaact tcaagggcgt cacgccgtcg gccaccagca 120  
gcgaggagac ccacagcgcc gccccgcgcg cgctctccgg cccgtggagc ggcctggccg 180  
gggcgggtgc gctcgacta gccttgctgt gctagttctt ctttgcgctg atcgattcac 240  
gaccattatt tttaacgggc atctatttca ct 272

<210> 9432

<211> 264

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189071e09b1

<400> 9432

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ctgcacgtgc ttatgtccca ctacccaatc tttcgggaaa ctccaatacg atttccactt 120  
cggtttctgt cactgctggg ctcattaatg acatcagtcg ggacgcatta tcgaatgcac 180  
catctaccgg aagtgggctc agtctcacta actgtgcaac acagtcagct ctgtctgtga 240  
atgttcctca gtttttacca cacc 264

<210> 9433

<211> 282

<212> DNA

<213> Triticum aestivum



<210> 9436  
 <211> 177  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189071f07b1  
  
 <400> 9436  
  
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 gataatggaa tgtctgaaga agcatctgcc ggtatctgtg ccagagggac tgaacgaact 120  
 tcaaatcatc gttgtgcggt tcgaagacaa gatttatact gcagcgacca gccagtc 177

<210> 9437  
 <211> 229  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189071f10b1  
  
 <400> 9437  
  
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 ctccccggtc gctcgccgcc atgaagaagg ttgtgctcaa gctggatgtg caccgacgaca 120  
 ggcacaaggc caaggcgcta aaggccgtct ccggcctcca cggcatcgac cagctgggcg 180  
 tggacatcaa ggaccagaag atgaccatcg tgggcaccgt cgaccccgt 229

<210> 9438  
 <211> 205  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189071f11b1  
  
 <400> 9438  
  
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 ggaagtttgt ccagttcgga gaaaaaagaa acaaagttca aaaagaaaaa tcatgagttc 120  
 acctccata aagtttgaat tacagagata tcaccttgat gagtatgtaa tatgattgca 180  
 aatttgcaat taggaatggg tgtgt 205

<210> 9439  
 <211> 246

<212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189071g01b1  
 <400> 9439  
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 ctgtttgatt ggatgcactc gtacttccgt acttgcccag attccctcaa gccatgtatc 120  
 ttctacctgt caattttccc ttgacaccac ggcatttcgg caaaggcgac tagtaaggag 180  
 gtggattgca gaaggttact tttgagacag tgatgaagaa tctgccgttg acaaagggga 240  
 gaactt 246

<210> 9440  
 <211> 273  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189071g09b1  
 <400> 9440  
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 cttatgtact tcctacgggg aagccttcct tggcaaggtc tgaaagcagg acaaagaag 120  
 caaaagtatg agaagatcag tgagaaaaaa gttgcaacat caattgaggc tctgtgtcgt 180  
 gggatttcta ctgagttcac atcatatttc cattattgcc gctcgcttcg gtttcatgac 240  
 aagcctgatt attcctacct taagcgactg ttc 273

<210> 9441  
 <211> 136  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189071h04b1  
 <400> 9441  
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 ctacgaccag aagccggatc tggtcgagcc cctcaaggcc caccagtcac ccaagtacat 120  
 ggtgttcgcg tgcgct 136



<210> 9442  
 <211> 192  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189071h10b1  
  
 <400> 9442  
  
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 agtggcctaa gcaggacaaa aagaggatgc tgcattgctgt ttaccgtgtg ggagatctcg 120  
 accgcacaat taagtgtttc acagaatgct ttgggatgaa gctgctgagg aaaagagatg 180  
 tcccctaaga ga 192

<210> 9443  
 <211> 321  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189072a01b1  
  
 <400> 9443  
  
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 cgttcgcgga gccaactccg gacaccgttt tgctgtgagg atccaaccac aaaccagggc 120  
 acatatgctt gtccctcaaa cccgcctgca cttctatctt cgccgacaat gcgccgccgc 180  
 ccatcgtgga ggtggggtcc gccaacgcgg acatctacgt cgaggctgac cgtctccctc 240  
 ttgtcggcga gacggttgcc ccgagtgccg gtcacagcct tgacggcggg aaggcgcca 300  
 atcaagctga ctgcgggggg c 321

<210> 9444  
 <211> 449  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189072a02b1  
  
 <400> 9444  
  
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 caggtgatta aggtcgccat gtcggactcc gaggaccacc acttcgagtc caaggccgat 120  
 gccggggcgt ccaagaccta ccctatgcag gccggcgcca tccggaagg cggttcctc 180

gtcatcaaga accgcccctg caagggtggtg gaggttttcta cctcgaagac aggaaagcac 240  
 ggtcatgcta aatgccactt tggtgcctta gatataattca atggtaaaaa gcttgaggac 300  
 attgttcctt catcccacaa ctgtgatgtg ccacatgtgg accgtactga gtatcagctg 360  
 attgacatat cagaggatgg atttgtgagc cttcttactg ataatggtag cactaaggat 420  
 gatcttaaac tcccaactga tgatgctat 449

<210> 9445  
 <211> 413  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189072a05b1

<400> 9445

gtgttcgcat cgcaccgcac accaaccaaa cactcgctg ccttccttcc ttccttgttc 60  
 gttcctcgac gcacgcacgc agatctcatc catccaagcc aaggcaggtc aggtcaggta 120  
 cgagatggct ctaccagaa ttggtctcgc tggcctcgcg gtcatggggc agaaccttgc 180  
 cctcaacatt gccgagaaag gcttccccat ctctgtctac aacaggacaa cgtccaaggt 240  
 cgatgagact gttcagcgtg ccaagctaga aggaaacctt cctctctatg gtttccatga 300  
 ccctgcatcc tttgtcaact ccattcagaa gccacgtgtc gtcacatgc ttgtcaaggc 360  
 tgggtgtccg gtcgaccaga ccacgcgaac gtcgcgagca cacctggagc aag 413

<210> 9446  
 <211> 210  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189072a06b1

<400> 9446

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 tctccgccgc gcctctctga gcacgctcgg tcagcttcag atacctgcgc gcgcggatca 120  
 tgggagcggc tagatcctgc gtgtccgtca agccggccgc tggccctggc aggtacagat 180  
 ccgccagggt cggggcggcc agcttgagc 210

<210> 9447  
 <211> 436  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189072a07b1

<400> 9447

tatatacctcc cggcctgcac acgcacaagc agcgagcctt cctcctccag tcctcatctt 60  
 tctgccatga agccccctca cttcaccggg gagggcgcgc cgggcgcctc ctggggtcac 120  
 gaggtcaagc agggccttcg tgacaagctc cgggtggacac ccgccgcggg caccacgggc 180  
 accggcggcc acggcgcgcg gagggcgcgc gcggcctcct cggctgtgac cgccgagccg 240  
 gtggcgcagc cggccacagg cgccgactgc cggggcttgg ccgccgcga ggaccccatc 300  
 aggagggtca tggtcttggc cccctggggc cacacataaa cggaaaaagc aagtgcacgc 360  
 gcgcacggcc atgccttggc cggatctgca actgcacctc aacaaaaata tggactacta 420  
 cgtacatata tatatg 436

<210> 9448  
 <211> 333  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189072a09b1

<400> 9448

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 tggcattctg tctgttgctg cgggtggataa gggcactggg aagaagcagg acattacgat 180  
 cactggagcc agcacactgc caaaggatga ggtagagaag atggtggaag aagctgaaaa 240  
 attcgcggcg gaggacaagg agaagaggga cgcaattgac accaagaacc aggcagagtc 300  
 tgtgatctac cagactgaga aacaactgaa gga 333

<210> 9449  
 <211> 283  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189072a11b1

<400> 9449

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cgacaagctc tgtgaatcag gcgcagccag cctcctaggg aagaagcttg gatcgttcac 120

acggatatcc tgttctgttc aggagctat ggaagaggct ttggttcgca ttttgacccc 180

aaggcgagct attgacgtac tgacagatgc tcatgctgcc aacgaccgtg gtacgccgta 240

tgtcataccc tttgttgggg ttaatggggg aggcaaatcc act 283

<210> 9450

<211> 293

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189072a12b1

<400> 9450

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ggagcgcctg cgccggctcg cgctcgagac catcgacctc gccaaggacc cgtacttcat 180

gcgaaacat ttgggcagct atgagtgcaa gctctgcctg acgctccaca acaacgaggg 240

gaactacctt gcgcacacgc aggggaagcg gcaccagacc aacctcgcca agc 293

<210> 9451

<211> 345

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189072b01b1

<400> 9451

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tcctcgtctc cctggaggag gccggcgccg agtacgagct cgtgcccatg agccgcaacg 120

gcggcgacca ccggcgcccg gagcacctcg ccagaaaccc cttcgggtgag atcccgggtgc 180

tcgaagacgg cggctctgacg ctttaccaat cccgcgccat tgcaaggcat attctccgca 240

aacacaagcc cgggcttcta ggagcaggca gcctctagga gtcggcgatg gtggatgtat 300

gggtcgacgt ggatgccac cagctggagc ccgtactcaa gcca 345

<210> 9452  
 <211> 441  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189072b02b1  
  
 <400> 9452  
  
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 acccggcct tcgacgacgc cgccgcggcc caccggcggg aggcgctgct ccaccacctt 360  
 cgctccctct tccctcacat ggatccccag ttgcttgaaa gagctcttga agcatctgga 420  
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<210> 9453  
 <211> 392  
 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189072b03b1  
  
 <400> 9453  
  
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 ctcatggagg gcaccgcaa gcccgactat gcgacatgtg tgaagatctc cactgatgcg 180  
 tccatcaagg agatgatccc cccgggtgct cttgttatgc tgacacctct tattgtcggg 240  
 accttcttcg gtgttgagac cctctctggt gtccttgccg gtgctctggt ttctggtgtt 300  
 cagattgcca ttctagcatc gaacaccggt ggtgcctggg acaacgcaa gaagtacatt 360  
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<210> 9454  
 <211> 413

<212> DNA  
 <213> *Triticum aestivum*  
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 <400> 9454  
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 ttctgctata atagggacta ctccagatgg atctaagcgg caaaagatat gtgcaagttg 180  
 ggagaacaca atcactggag ttggccaagt atttgagggc ccaaaggaat ttcgtgatgc 240  
 attgcacaag tatgccattg cacataggtt tcattacaga tttgtcaaga atgactcttc 300  
 tcgtgtcact gtggaatgta ctgatgaagg atgtccctgg cgcatacatg cttccaaatc 360  
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<210> 9455  
 <211> 349  
 <212> DNA  
 <213> *Triticum aestivum*  
 <223> Clone ID: uC-tsrow189072b05b1  
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 tggcgctcgg gagatcctgc gtgtccgtca agccggccgc tggccctgcc aggtacagat 180  
 ccgccagggt cggggcggcc agcttggagc cgacaagcct gcgaatatcc gcttattctt 240  
 cttcttcatt gggctcaggc gcagatggct gcggcagaag tgtcggctgc gccgccagta 300  
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<210> 9456  
 <211> 390  
 <212> DNA  
 <213> *Triticum aestivum*  
 <223> Clone ID: uC-tsrow189072b06b1  
 <400> 9456  
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aatgtacgag caatagctca aggctgcagg gagtacaaca ctactgttgt attgaaacat 120  
gaagattgtg ttagggctct aagagctgct cactcaaggt tcttcctctc aaaaaccaca 180  
cttgctattg gggtcatagg acctggtttg attggggcaa cactgctcaa ccagctcagg 240  
gaccaggtag caatcctgaa ggaaaatatg aatattgatg tgcgtgtcat cggaataact 300  
ggcgcaagca cgatgctttt gagtgaacg ggagtagacc taaccaggtg gaaagaagaa 360  
atgcaaaagg aagcaaaacc agctgatctt 390

<210> 9457  
<211> 412  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189072b08b1  
<400> 9457

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gcagtgaagt tcccgagct ggcgggccg ggcaggggcc atggccaggg acagccggcg 120  
acgcgggtcg cgtaagggg cggcagggcc gcggcgcgcg cggcgcgcgg ggtgcggtgc 180  
cgggcccggcg gcctgatcga gccggacggg ggcaggctgg tggagctggg ggcgcccagag 240  
gagggcgggc ggcgggcggc gctgcgccg gaggcggcg cgctgccgca ccgctgcgcc 300  
tgggccgcgt ggacaccgag tggctgcacg tgctcagcga gggctggggc agcccgtgc 360  
gcggcttcat gcgcgagacc gagttcctcc aagcattca tttcaacgcc gt 412

<210> 9458  
<211> 304  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189072b09b1  
<400> 9458

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acgttcaatc ttggcgaga tccctcccc cgccggcagg catggcctcc accttcagcg 120  
gcgacgagac cgacccttc ttgggttac ttggcgccgc cgccgccctg gtcttctgct 180  
gcatgggggc ggcgtacggg acgggcaaga gcgggggtgg ggtggcgtag atgggggtga 240

tgcgcccgga gctggtgatg aagtccatcg tgcccgtcgt catggccggg gtgcttggga 300  
tcta 304

<210> 9459  
<211> 379  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072b10b1

<400> 9459

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gggacccgtc cgtgttcccc gccttccgca cggtcgttga ggccgaggac gccgtcgtcg 180  
ccgcgctgcg caccgggcag ttcagctgct acgccgccgg cgtcggcctg cccgccgcac 240  
gaagcgtgt agcagagcac ttgtcacagg gcgtgcccta caagctatcg gccgacgaca 300  
tcttctcac cgccggtgga acccaagcaa tcgaagtcac aatcccgggc ctggcccaaa 360  
ctgccggcgc caacatact 379

<210> 9460  
<211> 334  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072b11b1

<400> 9460

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agccaaattc ccctaccac acaactccac tccccaggtt agggtttttg gatgtcggat 120  
cggcagccgt cggaggagcc ggaggagcag gtggacctgg agggagacga cgacgtcatg 180  
gacgacgagg aagggtaccg tcgtcgtcgc cacggtggcg aggactctga tgaaccggag 240  
gaggagcccc aggagcctca aatcgaggtt gagggcgatg gcgatggaga tggccgggag 300  
gaggacgccg gtatggccgt tgcgagtgat gaac 334

<210> 9461  
<211> 381



<212> DNA  
 <213> *Triticum aestivum*  
 <223> Clone ID: uC-tsrow189072b12b1  
 <400> 9461  
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 acgttggccc cggcgtcaag aacttcaagg ccggggacac ggtgggcgtg ggctacttca 120  
 tcgactcatg ccgacacctg gtgagctgcg gcagcgggca cgagaaccac tgccccacgc 180  
 tcgtgctcac ctccaacgcc gtggactacg acggcgccac caccagggc ggcttctccg 240  
 acgtcctcgt cgtcgaccag ggctacgtcg tccgcgtccc ggagggcctg cccctggacg 300  
 gggcggcgcc gctgctctgc gccggcgta cgggtgtacag ccccatgatg gagttcggcc 360  
 tcaacgcgcc ggggaagcac c 381

<210> 9462  
 <211> 390  
 <212> DNA  
 <213> *Triticum aestivum*  
 <223> Clone ID: uC-tsrow189072c01b1  
 <400> 9462  
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 ccaactgcat cgacatcatc ctgcctatca tctcccgcc cctcggcgtc ttcctcaagt 180  
 tcgggtgcgg gcatgagttc tggatctgcc tctgtctcac cttcctcggg tacatccctg 240  
 gtatcatcta cgccatctac gccatcacca agtaaaatcg ggccgtcca aagcgttccg 300  
 cgatgtaata ttttcaggat gatgatctcg tctgtctagc cctccatgc cttcgtgggt 360  
 tcttttgatt cttttccgtg tgcgttgatg 390

<210> 9463  
 <211> 433  
 <212> DNA  
 <213> *Triticum aestivum*  
 <223> Clone ID: uC-tsrow189072c02b1  
 <400> 9463

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 caaggggtatc cttgctgctg atgagtccac cggcaccatc ggcaagcgct tcgccagcat 180  
 caatgttgag aacgttgagg acaaccgctg tgccctccgt gagctcctct tctgcacccc 240  
 tgggtgccctc cagtacctca gcggtgtgat cctgtttgag gagaccctgt accagagcac 300  
 caaggggtggc aagcccttcg tcgacatcct caaggcgggc aatgtcctcc ccggcatcaa 360  
 ggtggacaag ggcaccatcg agcttgctgg aaccaacggt gagaccacca cccaggggctt 420  
 tgatgacctt ggc 433

<210> 9464  
 <211> 397  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189072c03b1  
 <400> 9464

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 gccttgaaga tgtcgatgct gcattcgata gttcagagga acaccttggtg gcggagagga 180  
 gagagaaacc agaatccatg aatgcatttg ctcttatttc aaggtctgag ggattcaacc 240  
 tcggaaattt gtttgagaaa gagatgatgg ggatggtaaa gcggtaaaca ttctttgcgt 300  
 cgcaacgtac accacaagag atcatgtcta aaatagagga agcctgtggc cctcttggtt 360  
 caatgtgcgg aaacaaaatt ataagatgaa actgaaa 397

<210> 9465  
 <211> 393  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189072c05b1  
 <400> 9465

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 gaagcccatt taccagccat gtttggacgc atgccaagga agaccagcaa caacaccaag 120

tactacgagg tgcttggtgt atccaagaca gcaaccccg atgagttgaa gaaagcttac 180  
 cggaagctg ctataaaaaa ccattctgac aagggcggag accctgagaa gtttaaagaa 240  
 ttggcacaag cttatgatgt tctcaatgac cctgaaaaga gggagattta tgaccaatat 300  
 ggagaagatg caatcaaaga agggatggga ggcaccggcg gcgctgatat gcatagcccc 360  
 ttgacataa ttcaacaggt atatgggggt ggc 393

<210> 9466  
 <211> 51  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189072c06b1

<400> 9466

gaagactgca attgaaaagg ctggatacac cggacaggat gttattggaa t 51

<210> 9467  
 <211> 422  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189072c07b1

<400> 9467

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 agtagagaaa ctgcagcaaa ttcatgaggt ggcgaatggc gaagccaaat tgctgtttga 180  
 taaacagcac ttggtaagc atcatgctgt acagtcaatc ctcaagcttg aagatgagat 240  
 taaaagggtg tacaaaaact tccttctagc taatgagtat caatcgcca agctttgcga 300  
 agcacgtttt ttggaatgtg aagatcaaata ggatcacctt caagtcttga aacttccttc 360  
 catggcaaag ttcaatgcag gcttttttta ctgcaatcgg acttttgtaa tggaatgtgt 420  
 gg 422

<210> 9468  
 <211> 152  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189072c08b1

<400> 9468

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ccatcctgca ccgggaggca tggtagcgga gctgggctac gcgccggcca tgaagtccg 120  
caagctcggg tgcgagggaa cccaggagg gc 152

<210> 9469

<211> 419

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072c09b1

<400> 9469

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cgccaacgcg cggctggcgc gactactgct gcttgcgccc acgcgctgcc tgtgtggctg 180  
ctgctactct cgcagcgggt gatgctgctc gcggccggcg ccaactgctcg cgcccacgcg 240  
ctgcctgcgc ggctgctgct gctcgcgtcc ggcgtcgctg ctgcttgcg cgcacgccgg 300  
tgctgcataa tggcgggtgg acagggaggc gcacgacaga gcttcgtcgc cgcccgatgc 360  
catgccccgc atcggggtcc gcccgcccgg cccggcgctg gcgccggtga aaggttcac 419

<210> 9470

<211> 415

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072c11b1

<400> 9470

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aagaaaattc actatacacc agtatatcag ccacactaca tgcgcagtcg cacacaaaac 120  
ttgtctgtct gtcttcaagg ggcagccagc tccaggctctc cggtttcgct cccacctgc 180  
tgctgctgct gctgctgcag ctgctcttc tgcgcctcca gcttcttctg ctggaccttc 240  
tcgccgtaca tgtaggaggc gaagccccag agggagagca ccagcgcat gccctttggc 300

ccgtcgaact tctcgtggag gaacatgacg gcgaggatct gggaaagcgg caggaggacc 360  
 gcgatcatga tgccggcgag gagcgaggag gcgcaagtga tgagcccat gatgc 415

<210> 9471  
 <211> 393  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189072d02b1

<400> 9471

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 agccaagcat tgacatcttt gaagcttttg atgagttact attactgaaa agaggaggcc 180  
 aggtaatata ctctgggaaa ctgggtcgca actcacagaa aatgactgaa tacttcgagg 240  
 cgattcctgg agtgcctaaa atcaaagata agtacaaccc tgcaacgtgg atgcttgagg 300  
 tcagttcagt tgctgcagaa gtacgcctga gtatggattt tgctgactac tacaggactt 360  
 cagatctgta caagcaaac aaggtattgg tga 393

<210> 9472  
 <211> 205  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189072d04b1

<400> 9472

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 gcaatgaatg gttcaaaaag gactatcaac caccacattc tgagcacaat gaatatgtga 120  
 gccttgaaca cgtggatact gcattcgatc gttcagaaga acaccttggtg tcgatgaggt 180  
 gagtgaacc agaatccatg aatgc 205

<210> 9473  
 <211> 466  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189072d05b1

<400> 9473

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gccgccgact gcagccatgt cgctgatcgc gggtagaggag ttccagcaca tcctgcgtgt 120  
gctcaacacc aacgtcgacg gtaagcagaa gatcatgttc gcgctcacct ccatcaaggg 180  
tgtggggcgc cgcttctcca acaccgtctg caagaaggcc gacgtcgaca tgaacaagag 240  
ggccggagag ctttccgcgg aggagatgga ccgtctgatg gcggtgggtgc acaaccgcg 300  
ccagttcaag gtgcccgact ggttcctcaa caggaagaag gactacatgg acggtaggtt 360  
ctcccaggtc gtttccaacg ccgttgacat gaagctcagg gatgaccttg agaggctcaa 420  
gaagatcagg aaccatcgtg gtctgcgtca ctactggggc gtgcgt 466

<210> 9474

<211> 381

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072d08b1

<400> 9474

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acagcagagg ctaggcatgg cccgtctgtt ctttactct cctaagtttg gtatcctcga 120  
cgagtgcacc aatgccacaa gtgtcgacgt cgaggagcat ttgtacaggc tagcaactga 180  
catgggtata actgtggtca cttcctccca aaggccagct ctgataccct tccattcggt 240  
ggaactgaag ctcatcgacg gcgaagggaa gtgggagctg tgcgcaatca accactagcc 300  
gttgccgtcg ccttaatttt tgatgggctt tagttactct cagctgtata ctgacttaca 360  
tacagtacaa atagtcacct t 381

<210> 9475

<211> 418

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072d09b1

<400> 9475

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cctactccga caaccagcct ggtgtgctca tccaggtgtt tgaggggtgag aggacaagga 120  
ccagggacaa caacctgctc ggcaagtttg agctctctgg catcccgcct gcgcccaggg 180  
gtgttcccca gatcactgtc tgcttcgaca ttgatgcaa cggtatcctg aatgtctctg 240  
ctgaggacaa gaccactggc cagaagaaca agatcaccat caccaacgac aagggcaggc 300  
tgagcaagga cgacattgag aagatgggtcc aggacgcaga gaagtacaag tctgaggacg 360  
aggagcacia gaagaagggt gacgccaaga actccctgga gaactacgcc tacaacat 418

<210> 9476  
<211> 367  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072d10b1

<400> 9476

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tgcttcgacc tggacagcgg gtcgtgggcg caggacgcgt cctccaccaa gtccctcgcc 180  
atggacggct acttcatctc cctcttgga ctcgcctcg accgcgccc gctcgccctc 240  
gccgcccacg tcttcgcga cgtccccgcc gcctgggacc ccgcccgcct cgcaagcttc 300  
atcgagaagt acgggaccca cgtgggtgtg gggctgagca tgggagggca ggacgtggtg 360  
tgctgtgc 367

<210> 9477  
<211> 429  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072d11b1

<400> 9477

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ccctgagagc ggtcgcccga gcagctagca gcagctagca ggctgcatg cgcgcatgca 180  
ggccatgcc aacgtgtcga tcgtctgttc ttcatccct agagtttgta cagtagtgg 240

atacttctac gtgatgctca tacaaagtag gtagtatcga tttgattttg taaacgcgtg 300  
atgatcccta ttctggaagg aattgaagaa gtttttttta aaaaaaatca gcaggagtga 360  
aagcataatt ttgcaaagtc gacgaacgag cataatttcg cacacacgca tccttgcttg 420  
ctttggttg 429

<210> 9478  
<211> 443  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189072d12b1  
<400> 9478

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atctagtagt ggaggaagag gagaaagggg tagcagtcag ccatggcgac ggccaagccc 180  
atcctgtacg gcgcctggat cagctcttgc tctcaccgtg tccggatcgc tctcaatctc 240  
aaagggtgtgg actacgagta taaggcagtc aatcctcgga cagatccaga ctatgaaaaa 300  
ataaaccga tcaaatacat accagcattg gtagatgggg actttggtct atctgattct 360  
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atcaaaacga aaggtctcga tct 443

<210> 9479  
<211> 307  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189072e01b1  
<400> 9479

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aattgtatca tggaactatc ctttccataa tgtcttcaat ccgatgttgg ctgcagtatt 180  
ctctggtaat gcagcagtta taaaggtttc agagcatgag agttggtctg gctgttttta 240  
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agtaact

307

<210> 9480  
<211> 250  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072e02b1

<400> 9480

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tcgcctactc cgcggaacgg agctacctgg agcaccacag cccgggcgcc gggggattct 180  
tcagtggcat accgtgggtc cgcgggcgac agacgagtgg agcccagagt gccggaggca 240  
tgggcgcggg 250

<210> 9481  
<211> 411  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072e03b1

<400> 9481

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cacgtcaac ttcacggaga cggcgtcggc gtacgacgcc gacatcacca tcgggttcca 180  
ctcgggcgac cacggcgacg gctaggcgtt cgacgggccg ctcggcacgc tggcgcacgc 240  
cttttcgccg accgacgggc ggttcacact ggacgcgtcg gaggcgtggg tggccggcgg 300  
cgacatgtcg cgcgctcgc tggacgcagc cgtcgacctg gagtcggtgg cggcgcacga 360  
gatcggacac ctgctggggc ttggccactc gtcggtggag ggcgccatga t 411

<210> 9482  
<211> 323  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072e04b1

<400> 9482

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atctccagca tgctgggccg gaggcagccg ccggcgcatc cgcagccgca gtagcacgcg 120  
gagggtcaca aggacaacgg ccacggccac ggcgagcgcc gggactagga tgtggagcca 180  
gtgagcatag acatgctgga gccggtcacg gaggccatct cgctgactgc ttctggacgt 240  
ggcggttgcc gccagcgct gggcctgccg gtctccacga caagcatgga ctggaaggag 300  
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<210> 9483

<211> 346

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072e05b1

<400> 9483

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aaggcaatga ggatgagttt gatgactttg atcctcgtgg atcttcttca aatgggtgcag 180  
ctaatacaaa gactgccgag gtggatcttc ttggcccaaa cttgatggat gatttccttg 240  
acgagcctgc agccactcca tcagcaaaaa gtgctgtaga acctcagggt gatctgtttt 300  
gctgatgcat acttccaatc ggcaatccca ggtgccgaaa caactg 346

<210> 9484

<211> 386

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072e06b1

<400> 9484

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atgtatgcaa atctacctag cgagcttgaa acgaagattt ttgagacaaa gagagggata 120  
aatttaaacc ctatatgatc aaggcacaaa gatccagaag tagaaatgtg ccaaagctgg 180  
ggcgccccat ggtccctagc gagctaggat gccacgaaa tgaatctgag ggtgcgaata 240

gctcagctcg ggcagataaa atgttgtaat gtccagacta gagcagcagc acaagatgaa 300  
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 tctagatata ttcatttctt gacgag 386

<210> 9485  
 <211> 374  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189072e07b1  
 <400> 9485

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 ctggagggtgg agtccttggg caccatcgac aacgtcaagg ccaagatcca ggacaaggag 180  
 ggcattccgt cgaccagca gtgcctcatc ttgccggta agcagctcga ggatggggcg 240  
 acccttgccg actacaacat ccagaaggag tccaccctcc acctggtgct ccgcctccgc 300  
 ggagggtgcca agatgcgcaa gaagaagacc tacaccaagc ccaagaagca taagcacaag 360  
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<210> 9486  
 <211> 431  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189072e08b1  
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 tagacgagga gctctctgat gaatcctatc aggatgacga catgggagag gaggatgatg 180  
 atgacagcga cgacgactgg gccgggtaag gggagcgaca aggagtggcc agatctgaca 240  
 tgccgtgaaa agggcggatc ggggatgagc gaccctccct ccctcactgg cgtgcgtagt 300  
 agagcgagtg tgtgtgctct ttttagctga tcaatgtgaa acaatgcttg tttgttgatg 360  
 tacaagttgt tctagagcat ctcaagaatc cgatcccgac ccacgcggtt tgtaatagga 420

gtagaaattg c

431

<210> 9487  
<211> 387  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189072e12b1  
  
<400> 9487

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ccttcgccga ctccaacccg atccggccccg tcaccgagcg cgccgcctcg acgctcgagt 180  
ccaccgtcct cgccgcgctc ggccgcaccc gccacgccct ccgcttcgcg cgcttcgccg 240  
tcaggtagcg caagagctac tagagcgcg cgagggtgag gaggcggttc cggatcttct 300  
ccgagagcct cgaggaggtg cgctccacca accggaaggg ccttccctac cgccttgagg 360  
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<210> 9488  
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<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189072f01b1  
  
<400> 9488

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gcttcgtgct cggcctcggt aacggcgcca aaggccacgg ctacgggtca tcgtacggcc 180  
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gacagagcta ccagaccggg ta 262

<210> 9489  
<211> 412  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189072f02b1

<400> 9489

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ggtactggga caagccggac gacttcgtgc cggagaggtt cctcgagggt ggcgccgcgg 120

cagcgggtgga cttgacgggc aaggactttc agttcgtgcc attcggggct ggccggagaa 180

tatgcccccg tctcaacttc gggctggcta ctgtcgagat catgctggcg aacctcgcat 240

actgcttcga ctgggagctg cgggtcggca tggagagga cgataaaatc gatatgacgg 300

aggtgttttg tctgactgtc cgtaggaagg agaagctcat gcttgtcccc aacacccacg 360

tggttgcttg atcggtagat agtgcgcca tatttgata ccgctgcatg cg 412

<210> 9490

<211> 319

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072f03b1

<400> 9490

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ctcggcctgc tggagcagct gcagctccac caccatcacg gctgctccag cggcggcgcc 180

tccttctctc cctcctcgcc gatgcgcccc ttcgccctcc gcgcgcgcat ccaccccgag 240

ccctccccgt gcgcctgctg cgtgacggcg ctgctccgcg agggcggtcg gcagctggtg 300

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<210> 9491

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<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072f04b1

<400> 9491

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gtgacctacc ttgcgggcac catgcacatg ggggtggcgg aggcctcaac gacggccagc 180

aacttcttcg cggcgctgca gatgttctcc atccccggcg ccttcctcgc cgactcttac 240  
atcaagcgct tctacaccgt cctcatcttc ggccccgatcg agattctggg ctacatccta 300  
ctagcagtgc aagcgcacgt cccgtctctg caccgcgcgc cctgcagtcc cactggcgcg 360  
caaacctgcg agacggtccg tggctccaac ctgagcttgc tcttcctggg cctctacctg 420  
atcccca 427

<210> 9492  
<211> 348  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072f05b1

<400> 9492

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atttaaacc tatatgatca aggcacaaaag atccagaagt agaaatgtgc caaagttggg 180  
gcgtcccatg gtccctagcg agctaggatg cccacaaaat gaatctgagg gtgcgaatag 240  
ctcagctcgg gcagatataa tggtgtaatg tccagactag agcaggagca caagatgatg 300  
tgtaattgta atacggaatt acttgtcaca aaaatggatg tatctaca 348

<210> 9493  
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<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072f06b1

<400> 9493

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tccctcgcca tgggcaagat taagatcgga atcaacgg 98

<210> 9494  
<211> 389  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072f07b1

[illegible]

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<211>      429
<212>      DNA
<213>      Triticum aestivum

<223>      Clone ID: uC-tsrow189072f08b1
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gatgttcate	gtaccctgct	ctacggaggc	atatttctgt	accccgccga	caagaagagc	180
cccaacggga	agcttcgtgt	tctgtacgag	gttttcccca	tgtcgttcct	gatggagcaa	240
gccggaggcc	agtctttcac	cggcaaacag	cgtgcccttg	aaatcgttcc	tgctgagata	300
caccagaggt	ctccgatatt	cctcgggagc	tacgatgatg	tggaggagat	taaatcactg	360
tacgctttgg	agtcgagcac	cgctgatct	gagtaccgga	agacacatac	acatgctctg	420
catcgtgtt						429

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<210>      9496
<211>      369
<212>      DNA
<213>      Triticum aestivum

<223>      Clone ID: uC-tsrow189072f09b1
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cctccctgat ctgtaccggg ttgtccatgg gattgacgtg tttgatecta agttcaacat 120  
 cgtctctcct ggagcagaca tgactgtcta cttcccatac actgagactg acaagaggct 180  
 caccgccttc cactctgaaa ttgaggagct cctgtacagc gatgttgaga acgatgaaca 240  
 caaatttgtg ttgaaggaca ggaacaagcc aatcatcttt tcaatggctc gtcttgaccg 300  
 tgtgaagaac atgactggct tggttgagat gtacggcaag aatgcacatc tgaaggattt 360  
 ggcgaaacct 369

<210> 9497  
 <211> 150  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189072f10b1  
 <400> 9497

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 aaaacaagtt atggaaaagg tattcctctt 150

<210> 9498  
 <211> 423  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189072f11b1  
 <400> 9498

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 ggacgtggtg aaggcggcgc agctgtcggg gcggacgctg gagaaggtgg tgggtccacc 180  
 gctggtgctg ctacgcatcg tcgaccacta caaccgcgtc gcccgcgaca ccaggaagcg 240  
 cgtcgtcggc gtgctcctcg gcacctcctc ccgcggcgtc gtcgacgtca ccaactccta 300  
 cgccgtgccg tttgaggagg atgacaagga cccgaggatc tggttcctcg accataatta 360  
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 gta 423



<210> 9499  
<211> 356  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072f12b1

<400> 9499

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gggtgttggg aaagacacac attttgagga atacataatt gggcctgatg atgagcttgc 180  
tgatgacggt ctggctccag atgaagagaa gttgaagctg tacggagctg aagaaggggt 240  
atcttgatc gcccgctctg ttaggggagg tggccaaagt gcacttgga ggccttggg 300  
tctcatgtct tgtcatggga gtaggttag tcagggtaaa tctttcgtgg acccac 356

<210> 9500  
<211> 75  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072g01b1

<400> 9500

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<210> 9501  
<211> 386  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072g02b1

<400> 9501

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cggattttct cacgaaggag gtgcaatacg aggacaggct tttcactctg cagatatggg 180  
atactgctgg acaggaaagg ttccagagtc ttggtgttgc attctaccgt ggagcagact 240

gttgcgttct agtttatgat gtcaattcaa tgaaatcatt tgataatctg aacaactggc 300  
gcgaagaatt tctgatccag gctagtcctg ctgatcctga taacttcctt tttgttctgc 360  
tgggaaacaa agttgatatt gatggt 386

<210> 9502  
<211> 323  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189072g05b1  
<400> 9502

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ggatgctgaa tgaggatgag ctgctgtgat ctgtgctgct ggtgtttgca aacaagcaag 180  
atcttcctaa tgccatgaac gctgctgaaa tctactgacaa gcttggcctg cattctctgc 240  
gccagcgaca ctggtacatt cagagcacat gtgctacctt tggagagggg ttgtacgagg 300  
ggcttgactg gctgtccaac aac 323

<210> 9503  
<211> 291  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189072g07b1  
<400> 9503

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gaaggacccg gtcaactggg gcgcggtggc ggccgagctc accggcagcc acctcgacga 180  
ggtgaagcgg atggtggcgc acctccgcga gcccggtggtg aagatcgagg gcgccagcct 240  
ccgcgtcggc caggtggcgg tcgtggccca ggccaaggac gcgtcgggcg t 291

<210> 9504  
<211> 370  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072g08b1

<400> 9504

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tgtggcgcca gctgcaagtg cgacccttgc aactgctaag gtgcaagcgg ttgatgcgct 300
tctggtgatt gtgccgtgtg tgatcgagtg cgaataatga aaccgacgcc ggccgtcttg 360
ttggtgctgt 370
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<210> 9505

<211> 380

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072g09b1

<400> 9505

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cggctgccgc ggctgcaaca tgtaccccga gggtgaggcc gacggcgcca cctcctcgt 180
ctacgtcacc gacaccacaca aggcgagctc cggcgggatg gagatggcgg ccgagaacgg 240
cggctgcggc tgcaccagct gcaagtgcgg caccagctgc agctgctact gctgcagctg 300
ctagatccat catgatcat gcatgcaccg tgccgagcgt gcatcatcga tcgtatcgat 360
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<210> 9506

<211> 232

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072g10b1

<400> 9506

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aaggagaccg gctgccagtc tcgggaggggt cccatccttt gcgtcaataa actgcggatt 180  
ctttggcagc gcggcgacca tgaacatgtg ctccaagctg ccacaaggag at 232

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<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072g11b1

<400> 9507

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tccccaggc cegtcaatag tgaggaggca tagcagggtc tgaggagcag ttgcgtgagg 180  
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tctcccctgc ggtggctggg aggtaagcga gtgaagcagc atggagtttg aggttcccc 300  
gtgcgcgatg ttggagctcc agcatgcaag gcacttttca gcctatgatg aatgcagggt 360  
tgtatccaca ccggctagtt gcaaggtcgc taaggatgtg gataagccaa tacagtatag 420  
ttcaaagtac aaagcaaatt aagaacagat ttaggtaat gtagtcagca t 471

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<211> 238  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072g12b1

<400> 9508

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gtgcttttag gttgaatttt gcggatttga tatgtaattc tgttgagacc taagtatctg 180  
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<212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189072h01b1  
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 cggatttcct cacgaaggag gtgcaatacg aggacaggct cttcactctg cagatatggg 180  
 atactgctgg acaggaaagg ttccagagtc ttggtgttgc attctaccgt ggagcagact 240  
 gttgcgttct agtttatgat gtcaattcaa tgaaatcatt tgataatctg aacaactggc 300  
 gcgaagaatt tctgat 316

<210> 9510  
 <211> 298  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189072h02b1  
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 ctgccgcggc cgggcgacgc acgccgaccc caccgcggc cgcatccggc gggaacggct 240  
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<210> 9511  
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 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189072h04b1  
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<210> 9512  
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<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189072h06b1  
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ggaccatgcc aagctcagag cttgagctgg agaggccaca cacacacact gccatgaaga 360  
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at 422

<210> 9513  
<211> 347  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189072h07b1  
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gggcctgcga aggtgcagtt cgaggaggcc gccgagtcg gtgaggccgc ccacggctgt 240  
agctgtggcg ccagctgcaa gtgcgaccct tgcaactgct aaggtgcaag cggttgatgc 300

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347

<210> 9514  
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<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072h08b1

<400> 9514

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tatgtcatct gcttcatgtt agcatgccgc tgtggatgtg atgtttatct ccggggaacg 180  
ccactoctgc tggttcacia cgggccacgg ccaacgcaa ctgatattct cttcaacgac 240  
ggtcggtggt taagttaaag aatgctttct tgaggcttcc tcgtctctga tcaaatgatg 300  
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<210> 9515  
<211> 377  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072h09b1

<400> 9515

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tggcagtgcg gcgaccatga acatgtgctc caagtgccac aaggagatgg cgatgaagca 240  
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<210> 9516  
<211> 185  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072h10b1

<400> 9516

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<210> 9517

<211> 237

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072h11b1

<400> 9517

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tgcttttagg ttgaattttg cggatttgat atgtaattct gttgagacct aagtatctgt 180  
gcaatgagta ctgcaaacca ccttgggatg gtcttttttag aatgaaaatg gttctac 237

<210> 9518

<211> 321

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074a01b1

<400> 9518

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accccggttc ttggtgagcc aatggacttg atgactgctc tacagcttgt catgaagaag 180  
tcaagtgctc atgatggcct tgtgaagggg ctccgtgagg ctgccaagtc cattgagaag 240  
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gttaaggcac tatgcgctga g 321



<210> 9519  
 <211> 279  
 <212> DNA  
 <213> Triticum aestivum  
  
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 taggtgtggt gaacaacttt ctggagatct tgtgcactgc tgtccccgct tccaagaaca 180  
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 ccgtaaaggg aagctaacta taacagatga tgatgtcatt gagaaaagca acttgagccg 180  
 gcaattcctg tttcgtgatt ggaacattgg acaggcaaaa tctacagtag ccgctacagc 240  
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<210> 9521  
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 <212> DNA  
 <213> Triticum aestivum  
  
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 cttgcccgt gtggacttgg tggcctagga gtcgttgcag aagttactct tcagtgtgta 180  
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 caccagaatt ggctttctga aaacaaacat atcaaatact tgtggattcc atatactgat 300  
 acagttgtcg ttgtccaatg taatcctcct tcaagatgga aaactccaaa gttggcatca 360  
 aaatatgtaa aggatgaagc cctacagcat gtctgtgacc tttaccgaga gtcattgaag 420  
 aaatatagaa ct 432

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 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189074a06b1  
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 gtcttcgccg ccgtctccgc cgtgctctac gccgtctcca tcctctcccg ctgggcgcgg 180  
 caccacgagc tgcacttcga ccaccttctc ccagacctat ggttcgcgtg cgtcgtcatg 240  
 gccgccggcc tcctttactg cgccatc 267

<210> 9523  
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 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189074a07b1  
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 cgacgcgccc tcgcaagagt tgttcaaccg cacggacctt ccacgcgggc ag 112

<210> 9524  
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 <212> DNA  
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<223> Clone ID: uC-tsrow189074a08b1

<400> 9524

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caagctcatg gagagtgcag gagctgcagc gcggcgcttg aaggccatga aggctctgga 180  
ggtcgccctg cagt 194

<210> 9525

<211> 354

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074a12b1

<400> 9525

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ttcaccatta ttacctactc tgcgtgctct agttcaggct ggaatatgca tgggggtata 180  
tttgtatctg tcacctatgt ttccgctttc acgatttagt gaacctctat attatgaatg 240  
gggtttctgg caccggctct tctttcaata catgtcagga ttactgctc gttggaaata 300  
ctactttata tggccaatct cagaagctgc aattattata tctggcctgg gttt 354

<210> 9526

<211> 148

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074b02b1

<400> 9526

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ccatcctcgc cgaggaggag cggctcgt 148

<210> 9527

<211> 279

<212> DNA  
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 ctcggtatct acagtgatgc tgggacacaa acatgttgta acaaaatgcc aggatcgctc 180  
 gatcacgaag agcaagacgt gaagactttt ggcgcttggg gagttgatta tctgaagtac 240  
 gacaactgca atgatgctgg cagaagtgtc aacgaaaga 279

<210> 9528  
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 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189074b04b1  
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 gccgtcggca gcggaggagg aggaggagga ggaggagat ggcgtctggc ctggtgactg 120  
 atgacgtgac agtggggcgg ctggtccgga tccggcgcac ggtgatgcac atgctgcgcg 180  
 accggggcta cctggtggtg gag 203

<210> 9529  
 <211> 363  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189074b05b1  
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 cactgctgca atcatcggcg aagaacaagc gtccaaggga gacaaatgaa aactttgatc 180  
 ttccatcaca ggagccgact caggagtttt ggctgtctgg aatgacacag cagcatgaga 240  
 ggacatatgt tggttctagt gacccaacc gtatctctgg gtatcatcaa attctttggc 300

caagcagtga tacccgcagg gtatggtgcc atgagcagca gttcggtttg tcaaactcca 360  
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<210> 9530  
 <211> 386  
 <212> DNA  
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<223> Clone ID: uC-tsrow189074b06b1

<400> 9530

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 gtgcccacgc cggcgctcgc ctggttcctc gacctcttcg actattacat ccgcaccgac 180  
 gtgcgcgacg tcttcagcaa ggagctacgc ctcgacacca aggtgttcta cttcgatatt 240  
 ggggagaaca agagaggccg ctaccttaag gtttcggagg catctgtcaa tagaaaccgt 300  
 agcacgataa ttgttccggc tggtagctct ggcgaagaag gttgggaagc atttaggaat 360  
 gtactgttag aaatcaatga tgaagc 386

<210> 9531  
 <211> 210  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189074b08b1

<400> 9531

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 tgtatactgg ctggccatct taaaacgcct tcatatatac aaagcaaagg cttgcctgct 180  
 ggaaatccat gctcctctct tacgtaagca 210

<210> 9532  
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 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189074b09b1

<400> 9532

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aagaaggcca agaccgacac cgacgtcggc gaggagaacg agcagatcga cggtgccctc 180  
gtcctctcca tcgagaggct ccaggagatc caggacgagc tcgagaaggt taatgaagaa 240  
gcaagtgata aggctttgga ggttgagcag aagtacagtg agattcgcag acctgtctat 300  
cttcggaggt gtgacatcat caaaacaatt ccagactttt ggctgaca 348

<210> 9533

<211> 361

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074b11b1

<400> 9533

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ggctctgtct tggcatgtc tctcctata tgggtgctcat agattcttac agtggacca 180  
gctcttgtcg acgtggaaag gagtgatcct ctttgcttct ggattggcaa tggtaacctg 240  
ccgtatgcat gtattcatca tgttctcgca ggccgagcgc tcaagctctg cgaaagcagc 300  
atgggaccga gtgaagaagg attgatagct cgtgtgaatt tcagtctata ggggaactgc 360  
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<210> 9534

<211> 366

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074b12b1

<400> 9534

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acatatagca actgggtactt ttgatgagga aattatacca attggccgtc cagtgaatc 120  
tttgatgggtg gtctgtctt ggtcatgtct cctcctatat ggtgctcata gattcttaca 180

gtggacccag ctcttgtcga cgtggaaagg agtgatcctc tttgcttctg gattggcaat 240  
 ggtaaccgcc gttatgcatg tattcatcat gttctcgcaa gccgagcgct caagctctgc 300  
 caaagcagca agggaccgag tgaagaagga ttgatagctc gtgtgaaatt cagtctatag 360  
 gggaac 366

<210> 9535  
 <211> 198  
 <212> DNA  
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<223> Clone ID: uC-tsrow189074c02b1

<400> 9535

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 gcggatgata aaaccgacag taacaaaacg gtccgattgc tttagcaagt aacgaaaaca 180  
 accactttga catgaatt 198

<210> 9536  
 <211> 367  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189074c03b1

<400> 9536

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 ggcttttccg ctcgattctc gggcacgaat cggccattga tttctctcgg ttatccaagg 240  
 ttttcccctg atttttcgcy gcgcgagcgg gggcttcccc aggcgattgg tgctctggag 300  
 cggctctcttg tccgcgcgcy gttcgggctg cggctgaagg cctcgccgat ttttccatga 360  
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<210> 9537  
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<212> DNA  
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 atactttaag tgacattgtg tcattgttaa gcttcaaaga ggctgcgcgc atgagcgtag 180  
 tgtccagcca gtggagacat ctctggagat catgtatcag agacctgggc ttactagggg 240  
 agacaatgtg ctgccccatg cccatgagcc gagtgggaaca tgatcgagaa gctttcatca 300  
 ggaatgttga gtgcgtattg tgccaacttg atcccacat tgctagggac 350

<210> 9538  
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 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189074c08b1  
 <400> 9538  
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 tggaccacg agatcgaatc gccggtcgcc gcgtcgcgcc tcttccgtgc cggcgtagt 180  
 gactggcaca cactggcccc taagctcgca ccgcacatcg tcgccagcgc ccacccgctc 240  
 gagggcgaag gcggcatcgg cagcgtcagg cagttcaact tcacctcagc catgcccttc 300  
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 ctcatcg 367

<210> 9539  
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 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189074c09b1  
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 accgccgcct cgtcgccctcc gcccggtcca cgtgcgcggc ggcgtccggg cggcccaagc 240  
 ggctccggga ggactcgctg atgctggtcc gtggcctcga ctccgtcgcc gcgtccctcg 300  
 cgcagctctc cgacaccctc accgccgccc agaagggcgt gaacgctctg gccatgtgct 360  
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<210> 9540  
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 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189074c10b1  
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 atctctgcgc gaggcaggcc ggtcaaccga tccatccggc catggcgtgc aggggcttct 180  
 tcgagtgcgt cctcaagctg ctcaacctcg tctcatggc tgcgggctg gccatggcgg 240  
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<210> 9541  
 <211> 432  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189074c12b1  
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 cgccgtgcc tcgtcctcgt cggcgtcgtc agcggccgat aaggccgcca atggcatagc 300  
 ggcccttaac ttatccgatc ggacatgtac cggggctctg gcttcgcata cgctctccc 360

tgatatccac attgagtccc tttcattaac atttcatgga catgacctta ttgtggattc 420  
agaattggag ct 432

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<211> 286  
<212> DNA  
<213> Triticum aestivum  
  
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gagagatgtc ctataattac tgcaacatca ttcccggtga actttaggag cttttcatct 180  
ctcaaagcgt tgagaatatc atactgctca gagctccaat ctttaccagc gtacggtctg 240  
ccatcctcat tggaaacact tcatattatt ggggtgccacc cggagt 286

<210> 9543  
<211> 269  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189074d02b1  
  
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<210> 9544  
<211> 308  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189074d07b1  
  
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<210> 9545  
 <211> 174  
 <212> DNA  
 <213> Triticum aestivum  
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 agatgcatat ctgcccaggg taagaaggcg gtggtcattg gtggtggaga caca 174

<210> 9546  
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 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189074d09b1  
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<210> 9547  
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 <212> DNA  
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<223> Clone ID: uC-tsrow189074d11b1

<400> 9547

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tcgatctagc tagagccatg gcgccacca tgggcgaggg gccggccatc ggcattctacc 180  
tcggcaccac ctac 194

<210> 9548

<211> 320

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074d12b1

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tggcgatcat ggctccagat agcataaaat cgacatcatg ggtgtcgggtg cagaatgacg 180  
gaggagcggg agaagcagga gctgctcgga cgcgctagcg ccagtgagat cttccagcat 240  
gcgccgacgg acaagccggc tttcacgctg gccagatca aggaggcaat cccgggtcac 300  
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<210> 9549

<211> 376

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074e01b1

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ccgatatgtt tgtcggagtc cgagggtcta cggttttgca tgccaatgtt gtgggacaaa 240  
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atcttccggg aaactccaat acgatttcta ctccggtttc cgtcactgct ggtctcatta 360  
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<212> DNA  
<213> Triticum aestivum  
  
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cggctgggct tcgccgaggt ggactacggg tggggccccc ccgccacgt cgtgcccctg 180  
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gcccgg 246

<210> 9551  
<211> 341  
<212> DNA  
<213> Triticum aestivum  
  
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<400> 9551

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ttgcgctacc agaaggacca tggggcccctg aagtattctt ctcgtcgaca caacacttta 240  
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<210> 9552  
<211> 360  
<212> DNA  
<213> Triticum aestivum  
  
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<400> 9552

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ccttccacgc tccagcgtgc cgctggccca caccacgcgt tgccgcagcc ggcccacgcc 180  
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gaggcacggt ggcgggtggga ggaaaactgg cggatctggg cgcggccttg agagatctcg 300  
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<210> 9553

<211> 115

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074e11b1

<400> 9553

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<210> 9554

<211> 408

<212> DNA

<213> Triticum aestivum

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<400> 9554

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ggataagaag ctctccggct gggggctctt cggctccaag tacgaggacg ccgtcgtcct 180  
atacgataag gccgccaact ttttcaagct ttcgaagaac tggaaccgag ctgcatctgt 240  
gtatatcaag attgctaatt gccatctgaa ggggtgatag aagcatgaag ctgcctcagc 300  
ttatgtggaa gctgcaaact gctacaaaaa attctcacct caggaagctg cgcaagcgct 360  
agaccaggct gttaatctat ttctggaaat tggtagattg agcatggc 408

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 acatactcaa gctcatgtcc tccacattca tggctgcctt gtgccaagcc atcgacctcc 180  
 gccatcttga ggagaatgtc aaggatgccg ccaagagctg cgtgaagatg acggccagga 240  
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 <213> Triticum aestivum  
  
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 tagacgtca caccatggca accaatgggt actccaatg 99

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 <213> Triticum aestivum  
  
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 aggatcgga ggctcgtcgc cagggtagcc ctccagagcg acgatgtcga gctcgtcgcc 180  
 gtcaacgacc ctttcacac caccgagtac atgacctaca tgttcaagta cgacaccgtt 240  
 cacggccact ggaagcacat tgacatcaag ctcaaggacg acaagactct gctctttggc 300

gagaagccag ttaccgtctt cagcgtcagg aaccctgagg agatcccgtg ggggtgaggct 360  
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 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189074f05b1

<400> 9558

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 ggcctcttca tctactccg cgagacgtac tccgtgctgg tcaaggccga ccaggaccg 180  
 cggagaaact actgggctgc gtccacgctc gtcggccgca accccagcca gacaccgacc 240  
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 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189074f07b1

<400> 9559

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 gggaggcgcc cgctgggtggc ggacgctggg aacgaggagg agctggccgt gccggcgcac 300  
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 acctacgacc gggagagcgt ggaggggtgg c 391

<210> 9560  
 <211> 328  
 <212> DNA  
 <213> Triticum aestivum



<223> Clone ID: uC-tsrow189074f08b1

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ctcccctccg cccgctcgcc gccggctggt gatgctacgg gccccggcc ccgcccgggc 180  
gacaccggct cgcagctaga tctggcccg caggaggttc cgggcggcat ggggcggttc 240  
gcagggtgc ggtggctcct cctgctgtgg gtggcagcag gggcgctggc cgcggaggag 300  
gatagcaagg cggccgtcgg ggcgcccg 328

<210> 9561

<211> 393

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074f09b1

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atccgacaag gtgtcaccag gcctccgcat cggccttgct gccgctgccg ccgcgctact 240  
cgtcgtcatc gcggcgctcg ccttcttcat cgtccgcgac atgaagaggc ggaaggggct 300  
cgcgccgccc gaagaggcct ggaagctcac ccctttccag ccgctggact tcggcgaggg 360  
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<210> 9562

<211> 395

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074f10b1

<400> 9562

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aagccgaccg cgagcgccgc gccaaaggccg aggccgcgcg cgcgcgcgac gcgctcgagg 180  
cctcaaacag ggagcgccgc ctgcagccg cccgggcgca ggaagaggct gaccagaaaa 240  
tggaagaggt gatgcaacta ggaaagggga tctctttttc acacatgttt gaagcactgc 300  
gatatgacgg tccaggggat aagattaagc tgccaccatc ttctttcaag gatttatccg 360  
atcaaggagc gcttgacaaa ggtcccatgt acttc 395

<210> 9563  
<211> 308  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189074f12b1  
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gcaagcccgt gtggccgaca cggcactctt caacaagtct caacttggag gcaatgaaga 180  
gacggtcattg ggggtggcaag gcctcgaccg agactacggc gaccatagag tccgtgcagg 240  
aggcacaaca ctctctgggtc ggctatgccg cgaccccgac gcgctcgggg tccatcgagt 300  
ccgtgcgg 308

<210> 9564  
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<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189074g01b1  
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acaggggacta ctgcacgcac cagaagttca ccctcaccac atgcaccccc gagggcgtcg 180  
caatcacagc tgcaggaact agggaaaaacg agtcaatctt tggcgagctt cagaccagc 240  
ttaagaacaa gaacttgaca gttgatatca aagcaaactc agagtcagat cttctgacaa 300  
cattcacagt tgatgagttt gcaactccag gggtgaaatc aattctcagc ttggttggtc 360

cagaccagag gtcaggggaag cttgaactcc agtatctcca tgaattcgcc ggtgtcaatg 420  
 caagcgttgg gctgaacccc 440

<210> 9565  
 <211> 374  
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 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189074g03b1  
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 cctaggaaca taagaaaagt tgctgttatt ggtgggtggc ttatgggttc tggaattgca 180  
 acagcccttc ttgttggaaca tatatctgtt gtcctcaagg aagtaaacc tcaatttttg 240  
 caaaggggac aaaaaacaat agcaggaaat ctggagggcc ttgtcaaaag aggtcattg 300  
 accaaggata aaatgagcaa ggccatatca cttctcaagg gtgcattgga ttattcagat 360  
 ttcaaggatg ttga 374

<210> 9566  
 <211> 251  
 <212> DNA  
 <213> Triticum aestivum  
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 cggccgcgcg ctgtcctgcc tccgctgcgg ctgccgtgac tcccggtcgg cggtgggctt 180  
 cgaggacatg gacggcgtct acgaggttgg ggccaggaag atcagaggcg cggcggggcc 240  
 cagggtgttc a 251

<210> 9567  
 <211> 216  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189074g06b1

<400> 9567

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ttcgtgcttg ttggtgggtc caccataatc cccagagtgc agcagctggt gccggacttc 180  
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<210> 9568

<211> 283

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074g09b1

<400> 9568

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agcaaaactc taacatcaag ctctacggtg tggagcctac ctagagtgtc gtcttaaagt 180  
gtggaaagcc tggaccacac aagatccaag gaattggagc tggttttatt cctgggtgtc 240  
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<210> 9569

<211> 267

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074g10b1

<400> 9569

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ctgggttttg aaggctcttc aagttctcag aacctgtgga gctgacagag gcagagactg 180  
aatatgcagc taatgtggct aagcatatct atgaaaacca tgttgtattg cagtacaact 240  
gtacaaacac catacctgaa caactgc 267

<210> 9570  
 <211> 344  
 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189074g11b1  
  
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 <211> 247  
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 <213> Triticum aestivum  
  
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 ctaggcatta ttatgtagtg gtagcgagag aggatggatc aacggaaatg ttggagacag 180  
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 <212> DNA  
 <213> Triticum aestivum  
  
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 <400> 9572  
  
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aattgcccaa aaaagcatcg ttctaactga acaggaccat aacaagatat cccccaaga 180  
aaggtacatg gtgcctcatc caacagtgc ttcctcctga gctgaccgac tgattattca 240  
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<210> 9573  
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<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189074h05b1  
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agtgcattga gccagtggag aagtgcctga gggatgccaa gatggtcaag atcaccatcc 180  
atgatgtctt gcttgttggg ggttccacca g 211

<210> 9574  
<211> 408  
<212> DNA  
<213> Triticum aestivum  
<223> Clone ID: uC-tsrow189074h06b1  
<400> 9574

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ggtaaagtga cccaactgc aattccaggg gctgtggccc caacagagcc gtggatgcag 180  
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caggaaaatg cttcacttaa agatgaagtg agccggatca gaaaggagta cgatgaactt 360  
ctgtcaaaga atagctcact gaaggataac gttggagaca aacaacac 408

<210> 9575  
<211> 318  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074h07b1

<400> 9575

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tcatgtacaa ggtcggcctt gggctgctcg gtgcctcact ggtgctgagt gtgagctggg 240  
ggattatcgt cggagcaciaa tttgtgtaca ttgtcgtgag cccgacgtgc cggcacacgt 300  
ggacgggatt cagttggc 318

<210> 9576

<211> 85

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074h09b1

<400> 9576

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<210> 9577

<211> 201

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075a01b2

<400> 9577

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aaaggcaagg acatcacaga agtgattgca tctggaaggg agaagtttgc cgctgcgcct 180  
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<210> 9578

<211> 363

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075a02b2

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cgtcggggcgc cggcgggccc cgcgtcgctt tcgccaaagg cgtcttcgtc gacgcgtcga 180  
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ccgtggactt ccaaactaag gctgctgaag ttgctggtca agtgaactcc tgggtagaga 300  
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<210> 9579

<211> 286

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075a05b2

<400> 9579

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tcagtcggtg ctgaggaggc ctttaaactg atctctgagg cttggagtgt gttgtctgat 240  
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<210> 9580

<211> 313

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075a06b2

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tatcaggggag gaaattgcac aggtagaaaa tggcaaagca gatgcgcaca acaatgtcct 180



gaagggcgct cctcaccac ccctaactcct gatgggtgac gcatggacta agccatactc 240  
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<210> 9581  
<211> 368  
<212> DNA  
<213> Triticum aestivum  
  
<223> Clone ID: uC-tsrow189075a07b2  
  
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gccagctttg caggatggtg acttgtacgt cttcgaatca cgtgctatct gcaagtatgc 300  
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<210> 9582  
<211> 347  
<212> DNA  
<213> Triticum aestivum  
  
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<210> 9583  
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 <212> DNA  
 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189075a10b2  
  
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<210> 9584  
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 <212> DNA  
 <213> Triticum aestivum  
  
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 agagatgtgt ttgcatgcta gagagctacc ttgcgaggga atcggcaggg tagccacccc 360  
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<210> 9585  
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 <213> Triticum aestivum  
  
 <223> Clone ID: uC-tsrow189075b01b2  
  
 <400> 9585

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 tggcgtccac ggcgtacgcg cgcgggtcca agccgccggc cgggcccggc gagcggaggc 120  
 agccgcggct ggccaaggag ctgagcagga tgcagcctaa gaagctcggg attgggctcg 180  
 tcgtcggctg ctgcctcgcc ctctcacct acatctcctt cggccgcctc ttgcctatct 240  
 actcgccggt cttcgagagc acgtccatgg tgatgaagaa cgcgccgctt gcgtcgacgg 300  
 cggtgcccag tatggaggag gccgtgccgg cccagaagaa gatcgaagtc gagggcgggg 360  
 aagatc 366

<210> 9586  
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 <223> Clone ID: uC-tsrow189075b03b2  
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 ggagaagagg atcaccgcca ccatgtgggc cgcgtcgtgc ctggcgctct gctgcgccgc 180  
 gtgcgcctgc gaggcgtgcc gcaccgccgt cggcagcatc ggccgcgcgt ccgcgcggat 240  
 cgcctactgc ggctcttctg cgctctccct gctcgctcc tgggtgctcc gcgaggtcgc 300  
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<210> 9587  
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 <223> Clone ID: uC-tsrow189075b04b2  
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 gagaagagga tcaccgccac catgtgggcc gcgtcgtgcc tggcgtcctg ctgcgccgcg 180

tgcgcctgcg aggcgtgccg caccgccgctc ggcagcatcg gccgccgctc cgcgcggatc 240  
gcctactgcg gcctcttcgc gctctccctc ctgcctcct gggtgctccg tgaggtcgcc 300  
gcgccgctcc ttcagtccat cccatggatc aacca 335

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<211> 173  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075b05b2

<400> 9588

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ccctagtcca tggatagctt agctgccttc ctctggatct agctagagcc atggcgccta 120  
ccaagggcga ggggccggac ataggcatatc acctcggcac cacctactcg tgc 173

<210> 9589  
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<212> DNA  
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<223> Clone ID: uC-tsrow189075b06b2

<400> 9589

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<212> DNA  
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<223> Clone ID: uC-tsrow189075b07b2

<400> 9590

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cgcgccaccc ccgcgccga ggcacggggc caagccaccg agcagcgtcc ccgcgccgc 180  
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ctgcgctcgg agcacgctga ccgccgtcca tcgtaacggc ctgggtcgca acagacagca 300  
 cgcagggggt aacgccaatc cactgggcct agcctgttac atttcaaagg tcaaattctg 360  
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<210> 9591  
 <211> 349  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189075b09b2  
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 aagggtccatg gacttgctga gtatatcgct caggaagaga tggaatggaa gatgggattc 180  
 tgggtggtctc ctgatagtaa acaccttgca tttactgaag tagattcatc ttccattcca 240  
 ctatacagaa ttatgcatca ggggtcaaagt tctggtggtc tacatgctca cgaagatcat 300  
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 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189075b10b2  
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 catcatctgg gcgttcggcg gcatgatctt catgctcgcc tactgcaccg acggtgtgtg 180  
 cgggggacac atcaaccgg cggtgacctt cgggctgttc ctggcgcgca aggggtccct 240  
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 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189075b11b2

<400> 9593

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ggcaagggga gccagctcga ggccaacaag aaggccatga acatccagtg caagatatgc 180  
atgcagactt tcatctgcac cacctctgaa gcaaagtgc aggagcacgc cgaggcgaag 240  
catccgaaga gcgacctcgt ccagtgttc cccacacctca agccgtgata tatgccaaat 300  
cggacggaga gagagataaa agagagagag agaagctgtc gtaatccacc tagtattatc 360  
atgttccgca atgactgggtt gttgacctaa gcatgggtct 400

<210> 9594

<211> 281

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075c01b2

<400> 9594

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gggatccccc cacctctgc agcgccggcc ctgtggcggc agatatgttc cactggcaag 180  
cgacgatcat gggatcatcg gaaagaccat atgctgggtg tgtatctttg gttactattc 240  
actttccccc agactacca ttcaagccac ccaaggttgc a 281

<210> 9595

<211> 367

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075c05b2

<400> 9595

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ttcggcggcg acaagtacag gtctcacctg gccggcgagg gcgagaagaa caccgtttgg 180

cggcacggtg cgccgcccac ctacgacgcc gtgaacagcc tcttcgaggc cgggaggact 240  
caggagtggg cgaaggggtc gctggaggag acggtgcaga acgcgatcaa tacgtgggag 300  
atggagctgt cgcacaaggc ccgcacggtg gacttcaagt cggtgagccc tggccggttc 360  
accctgt 367

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<211> 71  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075c07b2

<400> 9596

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accgccaccc a 71

<210> 9597  
<211> 297  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075c08b2

<400> 9597

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caccgtgacc cggagtgtgt agagatcggc ctgtgatctg ttgccgtgtc gttagaataa 180  
aagtcgtgtg cggttgggtg tgtgtccgtg agtgtgtgtt tagtttctgt cctgtcgttg 240  
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<210> 9598  
<211> 463  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075c09b2

<400> 9598

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 tacagcaaca agttgctctc tcttgaattc atgaagtcag ttcaaagtgg gatgttaaatt 180  
 gataataata ttgccagacg tatgcatatc aaggcttgcc tgcaaaaaaac atttttctcc 240  
 cagattttgtg aaaagttact ataatgtgaa gtatgatact ccctccgttc ctaaataattt 300  
 gtctttctag agatttcaac aagtgactac atacgaagca aaatgagtga atctacattc 360  
 taaaatatgt ctacatacat ccgtatgttg tagtccattt gaaatgtcta aaaagacttg 420  
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<210> 9599  
 <211> 399  
 <212> DNA  
 <213> Triticum aestivum  
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 acgccgtaca gcgcggcggc gctgcagcag caccagcgtc tggctctctc ctccggcggc 180  
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 gcgcggcacc acgagcacgc ggcgcggggg ggcgcgtgct gctgctcggc ggtggtgcag 300  
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<210> 9600  
 <211> 125  
 <212> DNA  
 <213> Triticum aestivum  
 <223> Clone ID: uC-tsrow189075c12b2

<400> 9600  
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 cggtc 125



<210> 9601  
<211> 92  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075d04b2

<400> 9601

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<210> 9602  
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<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075d05b2

<400> 9602

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cggtggcagc ctttgcgcag gactacgcgg atcagcgccc gggcgactgc cagctgatcc 180  
atactcctga tggccggccg tacggggaga acctctacgg aggcggcgcc ggtgggaccg 240  
agtggacggc gacggacgcc gtgaattcgg ggggtgtcga gaagc 285

<210> 9603  
<211> 384  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075d08b2

<400> 9603

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cgtatcggag cgtgccgctg atgccggcga gaggcattgg tcggccttcg gtgctcttct 180  
tcttggccat ggtggcgtgg tgctactggt ggcagggaag atcggcgctc gcgtcttcgt 240  
taataatctc gcagttatct ggctgttga gctatgaagc tttcgggtgct gggcttattt 300

ctttgctgcg ccatggcggc ggtgcgagg agttggtcgc agtgctcggc ggtcggcggt 360  
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<210> 9604  
 <211> 455  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189075d09b2

<400> 9604

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 cgacaagatc atcgtcgagt acctctggat tggaggatcc ggtatcgaca tcaggagcaa 180  
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 cggtccagc accggccagg ctcccggaga ggacagcgaa gtcattcctc acccccaggc 300  
 cattttcaag gaccggttca ggaggggcca caacctcctt gttatgtgtg actgctacac 360  
 accacaaggt gtgccaatcc ccaccaacat gaggcacaat gccgtcaaga tcttcaacac 420  
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 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189075d10b2

<400> 9605

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 ccgacaagat catcgtcgag tacctctgga ttggaggatc cggtatcgac atcaggagca 180  
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 accggtccag caccggccag gctcccggag aggacagcga agtcattcctc tacccccagg 300  
 ccattttcaa ggaccggttc aggaggggcg acaacctcct tggtatgtgt gactgctaca 360  
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cccccaaggt tgcagctgag gagacatggt atggaattga gcaggagtac ac

472

<210> 9606

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<223> Clone ID: uC-tsrow189075e01b2

<400> 9606

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gcctccgtcc acggcaagga gtgcgacttg acgaggggag ttcggatgg gggaccatgt 180  
ggtggtgaat gtggacggtt ctgcgaacac caaggatg 218

<210> 9607

<211> 365

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075e02b2

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ccagtgggtg tactgggtcg gccccctcat tggcggcggc cttgccggcg tcacttacga 240  
gctgctcttc atttcccgca cccacgagca ggtgcccacc accgactact aagcagcgag 300  
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<210> 9608

<211> 416

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075e04b2

<400> 9608

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actaccatct tgacagcaac acctgcgacg ccggcaaggt gtgcgggcac tacacgcagg 360  
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<212> DNA  
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<223> Clone ID: uC-tsrow189075e05b2

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caagaccagc ttaaggaatc tcaagtggct c 271

<210> 9610  
<211> 437  
<212> DNA  
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075e07b2

<400> 9610

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tatgtgtgag agcactagga aaaatgttgc aaatggaaca gctgactgca gatcaaacgg 360  
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<210> 9611  
 <211> 458  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189075e08b2

<400> 9611

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<210> 9612  
 <211> 327  
 <212> DNA  
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189075e09b2

<400> 9612

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 cggtcacgtc gtccgcaacc atgggtgacg gcaacggccg ccgaccgcc ggggtcaccg 240  
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 <212> DNA  
 <213> *Triticum aestivum*  
  
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 caccagcagc attccggaac cccccgtgcc ttggatgaag gatacaacca tgcacgcaa 240  
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 <212> DNA  
 <213> *Triticum aestivum*  
  
 <223> Clone ID: uC-tsrow189075e11b2  
  
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<223> Clone ID: uC-tsrow189075e12b2

<400> 9615

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cccgacgacc accggaatag cagctcaggt ggcgtcgacc ctcaccacgt cctgcgatgg 180  
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